



**WARRENTON  
HIGH SCHOOL**

**CAREER PLANNING GUIDE  
& COURSE BOOK**

**2023-2024**

Warrenton High School  
Warren County R-III School District  
Warrenton, MO 63383

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Dear Warrior Students and Parents:

Warrenton High School will always be looking for programs and offerings to meet the diverse needs of our students, and the options detailed in the course book reflect that dedication.

Please take time to consider post-high school goals when evaluating your choices at registration. The possibilities are vast. We have virtual options through MOCAP, access to a number of hands-on programs through the Four Rivers Career Center located in Washington, Missouri, as well as multiple opportunities for both in-person and virtual students to earn college credit while they work towards their high school diploma. While this means there are a wide range of options available, tailoring course choices to what will benefit each student's plan for after high school is critical to optimize both their learning opportunities and engagement in their studies.

Fortunately, we have experts to help students figure out exactly what those courses are. I encourage you to work closely with your student's counselor to explore these options and find the best way forward for you. Our counselors are subject-matter experts and are ready and willing to help you work through this course book if you have any questions.

We look forward to working with you and your student and making their high school experience as rewarding as possible.

Mr. Eric Alderson  
Warrenton High School Principal  
Warren County R-3 Schools

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## Warrenton High School Mission & Vision Statements

### MISSION

Warrenton High School is committed to student success; our mission is to provide the best education possible for each student in a safe and supportive environment.

### VISION

In order to prepare students for post-secondary life, Warrenton High School will create an academic culture to develop student growth and performance; increase community, student and parent involvement to foster a sense of pride in the school; and produce clear academic and behavioral expectations to enhance engagement.

## Guidelines for Course Planning

The following guidelines represent our basic beliefs about course planning and are explained and used with students as they work with the counselors to review their plan of courses.

1. Educational planning is a process of using information about interests, aptitudes, experiences, educational options after high school and careers to plan appropriate high school courses. It is a process that takes place through classroom guidance activities and advisory planning sessions, and results in completing an Individual Career and Academic Plan (ICAP) as well as the enrollment form. It should give meaning and direction to the courses that students take.
2. All students should consider appropriate post-high school education and training. The job market demands skills, education, and life-long training.
3. Students should be enrolled in courses which will lead to one of the following plans:
  - a. Preparation for immediate entry at a four year college or university OR two year community college.
  - b. Preparation for technical training at a community college, technical/business college, or the military.
  - c. Skilled entry-level employment with workplace advancement potential.
4. There are only a few areas of training while in high school that will prepare students for entry level skilled employment (i.e. Four Rivers Career Center and some jobs related to Office Technology, Marketing, or Vocational Ag courses).
5. Students should choose a career cluster and a career pathway that will give focus to their course selection. Looking at personal interests and strengths will help with this choice (*More information on Career Clusters and Career Pathways is provided on the next page*).
6. We are not concerned that students know the exact occupation they will choose for the rest of their lives, as that may change many times. We are more concerned that they begin to recognize their individual interests and strengths, and develop an ICAP that seems to fit them, and that they make an appropriate “first-step” after high school.
7. Career planning is a lifelong process. We want students to know what factors (interests, aptitudes, personal values, and accurate career information) to consider when making career decisions. We also want them to know how to find career information related to their interests.

## Career Paths, Career Clusters & Career Pathways

Below is a list of the 6 Career Paths and the 16 Career Clusters. Career paths have been identified as a way to help students explore careers in a meaningful way. The 16 Career Clusters can be used as a framework for educational planning throughout high school and beyond. These Career Clusters are groupings of occupations called Career Pathways that are placed together because many of the people that choose them share similar interests and strengths. It should be noted that there are a variety of careers within each path that require different levels of education and training. See your School Counselor if you need help to decide which path and cluster suits you best.



## Programs of Study

Choosing the right career path and career cluster can help you choose courses that are beneficial to your future as well as courses that meet your interests. On the following pages, you will find a Program of Study Template that represents each career cluster. These Programs of Study have been tailored to specific course offerings at Warrenton High School and can help you decide what classes will benefit you most. These templates serve as a guide to help all students develop their ICAP. Courses listed within these templates are recommended coursework only and should be individualized to meet each learner's educational and career goal.



**Warrenton High School**  
**Agriculture, Food & Natural Resources**  
**Career Cluster Program of Study Template**  
[www.warrentonhighschool.warrencor3.org](http://www.warrentonhighschool.warrencor3.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements		
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th		
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History <sup>A</sup>	Agriculture Science 2 Metals Manufacturing Construction Trades  Food and Science Technology General Foods World Foods  Foreign Language		
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang <sup>AA</sup> AP English Lit <sup>AA</sup>	Informal Geometry or Geometry Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics <sup>AA</sup>	Chemistry Honors Chemistry Earth Science MO Nature & Ecology Human Biology* Zoology DC Biology* Adv Chemistry* ----- 3 <sup>rd</sup> Agriculture Class	US Government or AP US Government <sup>AA</sup>	Agriculture Construction 1 Agriculture Business Leadership* Advanced Animal Science* Greenhouse Management Floriculture Conservation of Natural Resources  Culinary I  School Flex (online college credit)*	Four Rivers Career Center	
	12	Language Arts 4 AP English Lang <sup>AA</sup> AP English Lit <sup>AA</sup> Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics <sup>AA</sup> or College Algebra* AP Calculus <sup>AA</sup>	Earth Science MO Nature & Ecology Human Biology* Zoology Forensics DC Biology* Adv Chemistry*	Agriculture Construction 2 Agriculture Business Leadership* Advanced Animal Science* Greenhouse Management Floriculture Conservation of Natural Resources  Culinary II  School Flex (online college credit)*	Four Rivers Career Center		

\* Dual Credit Option    <sup>A</sup>College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Animal Caretakers
- Animal Trainers
- Bakers
- Commercial Fishers
- Farm and Ranch Workers
- Farm Equipment Mechanics
- Farmers
- Food Processing Workers
- Log Graders and Scalers
- Loggers
- Meat Cutters
- Mining Machine Operators
- Nursery Workers
- Rock Splitters
- Trash Collectors
- Veterinary Assistants
- Water Treatment Plant Operators

#### Technical Training or Associate Degree

- Fish and Game Wardens
- Forestry Technicians
- Precision Agriculture Technicians

#### Bachelor's Degree

- Agriculture Engineers
- Agriculture Scientists
- Animal Scientists
- Conservation Scientists
- Farm and Home Management Advisors
- Food Scientists
- Foresters
- Park Naturalists
- Zoologists

#### Masters Degree or More

- Agriculture Sciences Teachers, Postsecondary
- Animal Scientists
- Farm and Home Management Advisors
- Veterinarians
- Zoologists and Wildlife Biologists





**Warrenton High School**  
**Architecture & Construction**  
**Career Cluster Program of Study Template**  
[www.warrentonhighschool.warrencor3.org](http://www.warrentonhighschool.warrencor3.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements		
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	PLTW: Introduction to Engineering Design^  Exploring IT/Home Maintenance  Foreign Language  PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th		
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	PLTW: Principles of Engineering^  Construction Trades Wood Technology 1 Metals Manufacturing  Fashion & Interior Design Fundamentals  Foreign Language		
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^ AP English Lit^	Informal Geometry or Geometry Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^	Chemistry Honors Chemistry Earth Science MO Nature & Ecology College Physics*	US Government or AP US Government^	Wood Technology 2  Housing and Interior Design  Greenhouse Management  Floriculture  School Flex (online college credit)*  <u>Four Rivers Career Center</u>  Building Construction 1* Welding 1* PLTW: Engineering Design & Development PLTW: Computer Integrated Manufacturing PLTW: Civil Engineering & Architecture		
	12	Language Arts 4 AP English Lang^ AP English Lit^ Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^ or College Algebra* AP Calculus^	Adv Chemistry* College Physics* Earth Science MO Nature & Ecology	History Through Film Sociology AP Geography^	Wood Technology 3  School Flex (online college credit)*  <u>Four Rivers Career Center</u>  Building Construction 2* Welding 2* PLTW: Engineering Design & Development PLTW: Computer Integrated Manufacturing PLTW: Civil Engineering & Architecture		

\* Dual Credit Option    <sup>A</sup>College Credit Option





Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Bricklayers, Stonemasons & Cement Mason
- Cabinet Makers and Carpenters
- Drywall Finishers, Installers & Plasterers
- Electricians
- Fence Builders
- Heating & Cooling System Mechanics
- Highway Maintenance Workers & Paving Equipment Operators
- Line Installers and Repair
- Plumbers and Pipefitters
- Roofers
- Sheet Metal & Structural Metal Workers
- Surveying and Mapping Technicians
- Tile Setters

#### Technical Training or Associate Degree

- Commercial Drivers
- Drafters
- Energy Auditors
- Interior Design

#### Bachelor's Degree

- Architects
- Construction Managers
- Cost Estimators
- Landscape Architects
- Surveyors

#### Masters Degree or More

- Architects (Except Landscape and Naval)
- Architecture Teachers, Postsecondary
- Engineering Managers
- Engineering Teachers, Postsecondary
- Historians
- Operations Research Analysts
- Political Scientists
- Sociologists
- Sociology Teachers, Postsecondary



Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements		
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2 Introduction to Computer Science Interpersonal Relationships Art Foundations Band Choir Fashion & Interior Design Fundamentals Theatre Arts 1 & 2 Foreign Language PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th		
		10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	Web Design/HTML Code 2D/3D Design Ceramics 1 & 2 Digital Photography Graphic Design: Photoshop Graphic Design: Illustrator Drawing Painting Sculpture Music Appreciation Band Choir Acting & Directing 1 & 2 Technical Theatre 1 & 2 Fashion Design & Construction Housing & Interior Design Yearbook Journalism I Foreign Language	
		11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^A AP English Lit^A	Informal Geometry Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^A	Chemistry Honors Chemistry College Astronomy* Earth Science MO Nature & Ecology Human Biology* Zoology Adv Chemistry*	US Government or AP US Government^	Floriculture Art Studio Band Choir Stagecraft Advanced Theatre Yearbook Journalism II Fashion Merchandising School Flex (online college credit)*	Four Rivers Career Center Graphic Communications 1
12	Language Arts 4 AP English Lang^A AP English Lit^A Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^A or College Algebra* AP Calculus^A	College Physics* DC Biology* Adv Chemistry*	AP Geography^ Sociology History Through Film	Art Studio Advanced Ceramics Band Choir Yearbook Journalism III School Flex (online college credit)*	Four Rivers Career Center Graphic Communications 2		

\* Dual Credit Option    <sup>A</sup>College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Actors
- Bookbinders & Bindery Workers
- Camera/Photography Equipment Repair
- Communications Equipment Mechanics
- Costume & Wardrobe Specialists
- Dancers
- Fine Artists
- Floral Designers
- Movie Projectionists
- Musical Instrument Repair & Tuners
- Musicians and Singers
- Painting, Coating & Decorating
- Photographers
- Potters
- Printing Press Operators
- Proofreaders
- Ushers & Ticket Takers

#### Technical Training or Associate Degree

- Audio & Video Equipment Tech
- Broadcast Tech & Sound Engineer Tech
- Camera Operators, Film & Video Editors
- Choreographers
- Communications Equipment Mechanics
- Computer, Automated Teller & Office Machine Repair
- Desktop Publisher & Page Layout
- Directors - Stage, Motion Picture, TV, Radio
- Electronic Home Entertainment Install/Repair
- Fashion Designers & Interior Designers
- Fine Artists (Painters, Sculptors, Illustrators)
- Multimedia Artists & Animators
- Music Directors
- Poets, Lyricists & Creative Writers
- Producers
- Radio Mechanics & Operators
- Telecommunications Equipment Install/Repair

#### Bachelor's Degree

- Agents and Business Managers
- Animators and Multimedia Artists
- Art Directors and Talent Directors
- Broadcast News Analysts & News Reporters
- Copy Writers, Technical Writers, Editors
- Directors - Stage, Motion Picture, TV, Radio
- Film and Video Editors
- Graphic Designers
- Industrial Designers
- Interpreters and Translators
- Multimedia Artists & Animators
- Museum Technicians & Conservators
- Music Composers, Directors & Arrangers
- Poets, Lyricists & Creative Writers
- Proofreaders & Copy Makers
- Reporters & Correspondents
- Set and Exhibit Designers
- Vocational Education Teachers, Postsecondary

#### Masters Degree or More

- Art, Drama & Music Teachers, Postsecondary
- Communications Teachers, Postsecondary
- English Language & Literature Teachers, Postsecondary
- Historians
- Librarians



SUGGESTED COURSE OF HIGH SCHOOL STUDY						
Minimum Graduation Requirements		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2 Foreign Language PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History <sup>A</sup>	Web Design/HTML Code Introduction to Computer Science Introduction to Business Business Management Accounting 1 Marketing 1 Sports & Entertainment Marketing 1 Foreign Language
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang <sup>SA</sup> AP English Lit <sup>SA</sup>	Informal Geometry or Geometry Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus <sup>SA</sup> AP Statistics <sup>SA</sup>	Chemistry Honors Chemistry College Astronomy <sup>*</sup> Earth Science MO Nature & Ecology Human Biology <sup>*</sup> Zoology Adv Chemistry <sup>*</sup>	US Government or AP US Government <sup>A</sup>	Accounting 2 Marketing 2 Sports & Entertainment Marketing 2 Retail & Hospitality Marketing Entrepreneurship Business Law School Flex (online college credit) <sup>*</sup>
Secondary	12	Language Arts 4 AP English Lang <sup>SA</sup> AP English Lit <sup>SA</sup> Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus <sup>*</sup> AP Statistics <sup>SA</sup> or College Algebra <sup>*</sup> AP Calculus <sup>A</sup>	College Astronomy <sup>*</sup> College Physics <sup>*</sup> DC Biology <sup>*</sup> Adv Chemistry <sup>*</sup>	Psychology AP Psychology <sup>A</sup> Sociology The Law	Business Law Real World Living Marketing Lab Cooperative Work Experience School Flex (online college credit) <sup>*</sup>
						Four Rivers Career Center CAPS Global Business & Entrepreneurship <sup>*</sup>

\* Dual Credit Option    <sup>A</sup>College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Billing Clerks
- Bookkeeping & Accounting Clerks
- Computer Operators
- Copy Machine Operators
- Couriers & Messengers
- Data Entry
- File Clerks
- General Office Clerks
- Human Resource Assistants
- Interviewing Clerks
- Mail Clerks
- Order Clerks & Stock Clerks
- Payroll & Timekeeping Clerks
- Receptionists
- Secretaries
- Shipping & Receiving Clerks
- Typists

#### Technical Training or Associate Degree

- Court Reporters
- First-Line Supervisors/Managers
- General and Operations Managers
- Production and Operating Workers

#### Bachelor's Degree

- Administrative Service Managers
- Advertising Managers
- Business Executives
- Computer & Information Systems Managers
- Employee Training Specialists
- Employment Interviewers & Recruiters
- Human Resource Managers
- Job Benefits & Analysis Specialists
- Management Analysts
- Market Research Analysts
- Meeting & Convention Planners
- Property & Real Estate Managers
- Public Relations Managers
- Purchasing Manager & Sales Managers
- Regulatory Affairs Specialists
- Social & Community Services Managers
- Storage & Distribution Managers

#### Masters Degree or More

- Business Teacher, Postsecondary
- Chief Executives
- Controller, Treasurers
- Economists
- Medical & Health Services Managers
- Operations Research Analysts
- Statisticians



SUGGESTED COURSE OF HIGH SCHOOL STUDY						
Minimum Graduation Requirements		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2  Foreign Language   PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^   Child Development 1 & 2 Interpersonal Relationships Foreign Language <u>ELECTIVES that are related to the area of interest</u>	
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^a AP English Lit^a	Informal Geometry Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^a	Chemistry Honors Chemistry College Astronomy* Earth Science MO Nature & Ecology Human Biology* Zoology DC Biology* Adv Chemistry* College Physics* Forensics	US Government or AP US Government^a  AP Geography^a  School Flex (online college credit)* <u>ELECTIVES that are related to the area of interest</u>	<u>Four Rivers Career Center</u>
12	Language Arts 4 AP English Lang^a AP English Lit^a Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^a or College Algebra* AP Calculus^a	College Astronomy* Earth Science MO Nature & Ecology Human Biology^a Zoology DC Biology* Adv Chemistry* College Physics* Forensics	Psychology AP Psychology^a  History Through Film  AP Geography^a  Sociology The Law	<u>ELECTIVES that are related to the area of interest</u>  Social Skills  A+ Tutor (Math)  School Flex (online college credit)* <u>Four Rivers Career Center</u> Teaching Careers*	

\* Dual Credit Option    <sup>aa</sup>College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Audio-Visual Specialists
- Coaches and Scouts
- Library Assistant
- Teacher Aides

#### Technical Training or Associate Degree

- Adult & Vocational Education Instructors
- Fitness Trainers & Aerobic Instructors
- Library Technical Assistants
- Preschool Teachers
- Teacher Assistants

#### Bachelor's Degree

- Adult & Vocational Education Instructors
- Adult Literacy, Remedial Education
- HiSet Teachers
- Audio-Visual Specialists
- Education Administrators
- Elementary School Teachers
- Employee Training Specialists
- High School Teachers
- Kindergarten Teachers
- Middle School Teachers
- Poets, Lyricists, Creative Writers
- Public Health Educators
- Special Education Teachers

#### Masters Degree or More

- Adult & Vocational Education Instructors
- Audiologists
- Coaches and Scouts
- College & University Administrators
- Curriculum & Instruction
- Dieticians & Nutritionists
- Education Administrators
- Historians
- Instructional Coordinators
- Librarians
- School Psychologists
- Speech Pathologists
- Teacher





**Warrenton High School**  
**Finance**  
**Career Cluster Program of Study Template**  
[www.warrentonhighschool.warrencor3.org](http://www.warrentonhighschool.warrencor3.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements		
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Introduction to Business  Computer Applications 1 & 2  Foreign Language  PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th		
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	Accounting 1  Business Management  Foreign Language		
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^ AP English Lit^	Informal Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^	Chemistry Honors Chemistry College Astronomy* Earth Science MO Nature & Ecology Human Biology* Zoology DC Biology* Adv Chemistry* College Physics*	US Government or AP US Government^	Accounting 2  Business Law  Entrepreneurship  School Flex (online college credit)*	Four Rivers Career Center	
12	Language Arts 4 AP English Lang^ AP English Lit^ Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^ or College Algebra* AP Calculus^			Real World Living  Business Law  Entrepreneurship  School Flex (online college credit)*	Four Rivers Career Center		

\* Dual Credit Option    ^College Credit Option



Sample careers by desired educational level:

**On-The-Job-Training or Less**

- Bank Tellers
- Bill & Account Collectors
- Brokerage Clerks
- Credit Checkers & Authorizers
- Insurance Adjusters & Examiners
- Insurance Claims Clerk
- Insurance Policy & Claims Clerks
- Loan Clerks
- Tax Preparers
- Title Examiners & Searchers

**Technical Training or Associate Degree**

- Claims Examiners, Property & Casualty Insurance
- Insurance Appraisers, Auto Damage
- Insurance Sales Agents
- Insurance Underwriters

**Bachelor's Degree**

- Accountants & Auditors
- Appraisers & Assessors
- Budget Analysts
- Credit Analysts
- Financial Analysts
- Financial Examiners
- Financial Managers
- Insurance Agents
- Insurance Underwriters
- Loan Officers
- Securities Salespeople

**Masters Degree or More**

- Actuaries
- Business Teacher, Postsecondary
- Economists
- Treasurers & Controllers



SUGGESTED COURSE OF HIGH SCHOOL STUDY						
Minimum Graduation Requirements		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2  Foreign Language  PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	Introduction to Business  Accounting 1  Journalism I  Foreign Language
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^A AP English Lit^A	Informal Geometry Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^A	Chemistry Honors Chemistry College Astronomy^ Earth Science MO Nature & Ecology Human Biology^ Zoology DC Biology^ Adv Chemistry^ Forensics	US Government or AP US Government^A  AP Geography^A	Business Management  Accounting 2  Journalism II  School Flex (online college credit)*
12	Language Arts 4 AP English Lang^A AP English Lit^A Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^A or College Algebra* AP Calculus^A	Forensics  DC Biology^  Adv Chemistry*  College Physics*	Psychology AP Psychology^A  History Through Film  AP Geography^A  Sociology The Law	Business Law  Journalism III  School Flex (online college credit)*	Four Rivers Career Center

\* Dual Credit Option    <sup>A</sup>College Credit Option



Sample careers by desired educational level:

#### On-The-Job-Training or Less

- Compliance Officers & Inspectors
- Government Benefits Interviewers
- Interpreters & Translators
- License Clerks
- Mail Carriers
- Meter Readers
- Postal Clerks

#### Technical Training or Associate Degree

- Assessors
- Eligibility Interviewers, Government Programs
- General, Operations & Transportation Managers
- Government Property Inspectors & Investigators
- Mapping Technicians
- Municipal & Court Clerks
- Postmasters & Mail Superintendents
- Surveying Technicians
- Tax Examiners, Collectors, Review Agents
- Tax Preparers

#### Bachelor's Degree

- Administrative Service Managers
- Broadcast News Analysts & Public Relations Specialists
- City & Regional Planning Aides
- Emergency Management Specialists
- Equal Opportunity Representatives & Officers
- Financial Examiners
- Legislators
- Reporters & Correspondents
- Social & Community Service Managers
- Storage & Distribution Managers
- Urban & Regional Planners

#### Masters Degree or More

- Architecture Teachers, Postsecondary
- Chief Executives
- Communications Teachers, Postsecondary
- Coroners
- Economists
- Engineering Managers
- Political Science Teachers, Postsecondary
- Political Scientists



Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
	Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements	
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	PLTW: Principles of Biomedical Science^  Agriculture Science 1  Foreign Language	PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th	
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	PLTW: Human Body Systems^  Child Development 1 & 2  Interpersonal Relationships  Agriculture Science 2  Foreign Language		
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^ AP English Lit^	Informal Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^	Chemistry Honors Chemistry Human Biology* Zoology DC Biology* Adv Chemistry* Forensics	US Government or AP US Government^	PLTW: MI^  Advanced Animal Science*  School Flex (online college credit)*	<u>Four Rivers Career Center</u>  Health Science Academy*	
	12	Language Arts 4 AP English Lang^ AP English Lit^ Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^ or College Algebra* AP Calculus^	Human Biology*  Zoology  DC Biology*  Adv Chemistry*  Forensics	Psychology AP Psychology^  Sociology The Law	Business Law  School Flex (online college credit)*	<u>Four Rivers Career Center</u>  Health Science Academy*  Health Occupations*	

\* Dual Credit Option    ^College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Dental Assistants
- Dental Lab Technicians
- Home Health Aide
- Medical Appliance Technicians
- Medical Assistants
- Medical Equipment Preparers
- Medical Secretaries
- Personal & Home Care Aides
- Pharmacy Aide
- Pharmacy Technicians
- Physical Therapist Aide
- Psychiatric Aide

#### Technical Training or Associate Degree

- Cardiovascular Technologists
- Dental Hygienists
- Emergency Medical Technicians
- Health Information Technicians
- Licensed Practical Nurses
- Medical Laboratory Technicians
- Medical Sonographers
- Medical Transcriptionists
- Nursing Assistants
- Occupational Therapist Assistants
- Physical Therapist Assistants
- Radiation Therapists
- Radiologic Technologists
- Registered Nurses
- Respiratory Therapists
- Surgical Technologists
- Veterinary Technologists & Technicians

#### Bachelor's Degree

- Administrative Services Managers
- Athletic Trainers
- Biomedical Engineers
- Computer Programmers
- Computer Software Engineers
- Dietitians
- Health Educators
- Medical & Clinical Laboratory Technologists
- Medical Laboratory Technologists
- Occupational Health & Safety Specialists
- Petroleum Engineers
- Public Relations Specialists
- Recreational Therapists
- Rehabilitation Counselors

#### Masters Degree or More

- Athletic Trainers, Physical & Occupational Therapists
- Biologists, Physicists, Hydrologists and Epidemiologists
- Clinical Psychologists & Mental Health Counselors
- Computer & Information Scientists, Research
- Dietitians & Nutritionists
- Farm & Home Management Advisors
- Health Specialties Teachers, Postsecondary
- Home Economics Teachers, Postsecondary
- Medical & Health Services Managers
- Medical Scientists
- Natural Sciences Mgrs, Zoologists & Wildlife Biologists
- Nurse Anesthetists & Physician Assistants
- Orthotics & Prosthetics
- Pharmacists
- Speech-Language Pathologists
- Communications Teachers, Postsecondary
- Veterinarians



Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements		
9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2  General Foods  Interpersonal Relationships  Foreign Language	PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th		
	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	World Foods Accounting 1 Introduction to Business Marketing 1 Sports & Entertainment Marketing 1 Retail & Hospitality Marketing  Foreign Language			
	Language Arts 3 or Honors Language Arts 3 or AP English Lang^A AP English Lit^A	Informal Geometry or Geometry Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^A	Chemistry Honors Chemistry College Astronomy* Earth Science MO Nature & Ecology Human Biology* Zoology Forensics Adv Chemistry*	US Government or AP US Government^	Culinary I  Accounting 2  Business Management  Marketing 2  Sports & Entertainment Marketing 2  School Flex (online college credit)*	<u>Four Rivers Career Center</u>		
11	Language Arts 4 AP English Lang^A AP English Lit^A Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^A or College Algebra* AP Calculus^A	DC Biology*  Adv Chemistry*  College Physics*	Psychology AP Psychology^  Sociology	Culinary II  Real World Living  Business Law  Marketing Lab  School Flex (online college credit)*	<u>Four Rivers Career Center</u>		

\* Dual Credit Option    <sup>A</sup>College Credit Option





Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Amusement & Recreation Workers
- Baggage Porters & Bellhops
- Bartenders
- Casino Gaming Workers
- Chefs & Dinner Cooks
- Concierges
- Counter Attendants
- Fast Food Cooks
- Food Preparation Workers
- Hotel Desk Clerks
- Janitors & Cleaners
- Kitchen Helpers
- Maids & Housekeepers
- Professional Athletes
- Recreation Attendants
- Recreation Guides
- Recreation Workers
- Reservation & Ticket Agents
- Restaurant Hosts
- Tour Guides
- Umpires & Referees
- Waiters & Waitresses

#### Technical Training or Associate Degree

- Animal Trainers
- Casino Gaming Workers
- First-Line Supervisors/Managers of Housekeeping & Janitorial Workers
- Flight Attendants
- Food Service Managers
- Lodging Managers
- Reservation & Transportation Ticket Agents
- Residential Advisors
- Self Enrichment Education Teachers
- Travel Agents & Travel Clerks

#### Bachelor's Degree

- Interpreters & Translators
- Meeting & Convention Planners
- Recreation Workers
- Set & Exhibit Designers
- Social & Community Service Managers

#### Masters Degree or More

- Farm & Home Management Advisors



SUGGESTED COURSE OF HIGH SCHOOL STUDY						
Minimum Graduation Requirements		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2  Foreign Language  PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	Child Development 1 & 2  Interpersonal Relationships  Foreign Language
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^A AP English Lit^A	Informal Geometry Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^A	Chemistry Honors Chemistry College Astronomy* Earth Science MO Nature & Ecology Human Biology* Zoology DC Biology* Adv Chemistry* College Physics*	US Government or AP US Government^	Social Skills  Business Law  School Flex (online college credit)*
	12	Language Arts 4 AP English Lang^A AP English Lit^A Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^A or College Algebra* AP Calculus^A	DC Biology*  Adv Chemistry*	Psychology AP Psychology^  Sociology The Law	Social Skills  Real World Living  School Flex (online college credit)*

\* Dual Credit Option    <sup>A</sup>College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Child Care Workers
- Customer Service Representatives
- Funeral Attendants
- Laundry & Dry Cleaning Workers
- Lifeguards/Recreational Protective Service Workers
- Residential Counselors
- Social & Human Service Assistants

#### Technical Training or Associate Degree

- Barbers
- Embalmers & Funeral Directors
- Government Programs
- Hairstylists & Cosmetologists
- Manicurists
- Preschool Teachers
- Professional Makeup Artists
- Residential Advisors
- Skin Care Specialists
- Social & Human Service Assistants

#### Bachelor's Degree

- Addiction Counselors
- Director, Religious Activities & Education
- Early Childhood Educator
- Financial Counselors
- Health Educators
- Recreation Workers
- Rehabilitation Counselors
- Social & Community Service Manager
- Social Workers

#### Masters Degree or More

- Clergy
- Industrial-Organizational Psychologists
- Marriage & Family Therapists
- Mental Health Counselors
- Psychologists
- Rehabilitation Counselors
- School Counselors
- Social Workers
- Substance Abuse & Behavioral Disorder Counselors
- Teachers, Postsecondary



SUGGESTED COURSE OF HIGH SCHOOL STUDY						
Minimum Graduation Requirements		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
Secondary	9	Language Arts 1 or Honors Language Arts 1	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2 Art Foundations 2D/3D Design Foreign Language	PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	10	Language Arts 2 or Honors Language Arts 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History <sup>A</sup>	Web Design/HTML Code Introduction to Computer Science Digital Photography Foreign Language	
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang <sup>SA</sup> AP English Lit <sup>SA</sup>	Chemistry Honors Chemistry College Astronomy <sup>A</sup> Earth Science MO Nature & Ecology Human Biology <sup>A</sup> Zoology DC Biology <sup>A</sup> Adv Chemistry <sup>A</sup>	US Government or AP US Government <sup>A</sup>	Graphic Design: Photoshop & Illustrator School Flex (online college credit)*	<u>Four Rivers Career Center</u> Information Technology 1* Graphic Communication 1
	12	Language Arts 4 AP English Lang <sup>SA</sup> AP English Lit <sup>SA</sup> Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	DC Biology <sup>A</sup> Adv Chemistry <sup>A</sup> College Physics <sup>A</sup>		Computer Repair & Information Technology School Flex (online college credit)*	<u>Four Rivers Career Center</u> Information Technology 2* Graphic Communication 2 PLTW: Cybersecurity

\* Dual Credit Option    <sup>A</sup>College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

#### Technical Training or Associate Degree

- Computer Operators
- Computer Support Specialists
- Network systems & Data Communications Analysts
- Numerical Tool & Process Control Programmers
- Web Administrators
- Web Developers

#### Bachelor's Degree

#### Masters Degree or More

- Computer & Information Systems Managers
- Computer Engineers
- Computer Programmers
- Computer Security Specialists
- Computer Software Engineers
- Computer Systems Administrators
- Computer Systems Analysts
- Data Communications Analysts
- Database Administrators
- Graphic Designers
- Multimedia Artists & Animators
- Network & Computer Systems Administrators
- Software Quality Assurance Engineers & Testers

- Computer & Information Scientists, Research
- Teachers, Postsecondary
- Engineering Managers



Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2  Foreign Language  PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^  Accounting 1 Child Development 1 & 2 Interpersonal Relationships Foreign Language	
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^A AP English Lit^A	Informal Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^A	Chemistry Honors Chemistry Human Biology^A DC Biology^A Adv Chemistry^A Forensics	US Government or AP US Government^A  AP Geography^A  Accounting 2 Business Law Conservation of Natural Resources School Flex (online college credit)*	Four Rivers Career Center  Fire Science Academy
12	Language Arts 4 AP English Lang^A AP English Lit^A Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^A or College Algebra* AP Calculus^A	Human Biology*  DC Biology*  Adv Chemistry*  Forensics	Psychology AP Psychology^A  Sociology The Law  History Through Film	Business Law  School Flex (online college credit)*	Four Rivers Career Center  Fire Science Academy

\* Dual Credit Option    <sup>A</sup>College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Ambulance Drivers
- Animal Control Workers
- Bailiffs
- Corrections Officer
- Court Clerks
- Crossing Guard
- Fire Fighters
- Forest Fire Fighters
- Gaming Surveillance Officers & Gaming Investigators
- Lifeguards & Ski Patrol
- Parking Enforcement Officers
- Parking Enforcement Workers
- Police, Fire & Ambulance Dispatchers
- Security Guards
- Sheriffs
- Transportation Security Agents

#### Technical Training or Associate Degree

- Correctional Officers & Jailers
- Court Reporters
- Emergency Medical Technicians & Paramedics
- Fire Inspectors & Fire Investigators
- First-Line Supervisors/Managers of Police & Detectives
- Forest Fire Fighting & Prevention Supervisors
- Forest Fire Inspectors & Prevention Specialists
- Legal Secretaries
- Municipal Fire Fighting & Prevention Supervisors
- Paralegals & Legal Assistants
- Police Detectives
- Police Identification & Records Officers
- Police Patrol Officers
- Private Detectives & Investigators
- Sheriffs & Deputy Sheriffs
- Title Examiners, Abstractors & Searchers
- Transit & Railroad Police

#### Bachelor's Degree

- Arbitrators & Mediators
- Coreners
- Correctional Treatment Specialists
- Criminal Investigators & Special Agents
- Emergency Management Specialists
- Forensic Science Technicians
- Immigration & Customs Inspectors
- Judges & Hearing Officers
- Law Clerks
- Probation Officers

#### Masters Degree or More

- Anthropology & Archeology Teachers, Postsecondary
- Child, Family and School Social Workers
- Criminal Justice & Law Enforcement Teachers, Postsecondary
- Lawyer
- Psychology Teachers, Postsecondary





Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
<b>Secondary</b>	<b>9</b>	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Exploring IT/Home Maintenance  Foreign Language  PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	<b>10</b>	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History <sup>^</sup>	Wood Technology 1  Construction Trades  Metals Manufacturing  Foreign Language
	<b>11</b>	Language Arts 3 or Honors Language Arts 3 or AP English Lang <sup>*,^</sup> AP English Lit <sup>*,^</sup>	Informal Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus <sup>^</sup> AP Statistics <sup>*,^</sup>	Chemistry Honors Chemistry Earth Science DC Biology <sup>*</sup> Adv Chemistry <sup>*</sup> College Physics <sup>*</sup>	US Government or AP US Government <sup>^</sup>	<b>FOUR RIVERS CAREER CENTER</b>  Building Construction 1* Auto Technology 1* Collision Repair 1* Machine Tool 1* Welding 1*
	<b>12</b>	Language Arts 4 AP English Lang <sup>*,^</sup> AP English Lit <sup>*,^</sup> Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus <sup>^</sup> AP Statistics <sup>*,^</sup> or College Algebra <sup>*</sup> AP Calculus <sup>^</sup>	DC Biology <sup>*</sup> Adv Chemistry <sup>*</sup> College Physics <sup>*</sup>	AP Geography <sup>^</sup>	<b>FOUR RIVERS CAREER CENTER</b>  Building Construction 2* Auto Technology 2* Collision Repair 2* Machine Tool 2* Welding 2*

\* Dual Credit Option    ^College Credit Option



Sample careers by desired level of education:

On-The-Job-Training or Less

Crane & Tower Operators  
Hoist and Winch Operators  
Locksmiths  
Machinists  
Metal & Plastic Processing Workers  
Operating Engineers & Construction  
Equipment Operators  
Painting & Coating Machine Operators  
Power Plant Operators  
Precision Assemblers  
Quality Control Inspectors  
Small Engine Mechanics  
Tailors  
Tire Building Machine Operators  
Tool & Die Makers  
Tool Grinders  
Upholsterers  
Vehicle Painters  
Woodworking Machine Operators

Technical Training or Associate Degree

Automotive Electronics Installers  
Computer, ATM and Office Machine Repairs  
Electric Motor Repairers  
Home Electronics Repairers  
Industrial Electronics Repairers  
Jewelers  
Manufacturing Production Technicians  
Security & Fire Alarm System Installers  
Semiconductor Processing Operators  
Welders & Solderers  
Welding & Soldering Machine Operators

Bachelor's Degree

Chemical Engineer  
Occupational Health & Safety Specialists  
Safety Engineers

Masters Degree or More



Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.				
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry or Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2 Marketing 1 Introduction to Business Foreign Language  PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Geometry or Honors Geometry or Algebra 2 or Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History <sup>^</sup>	Marketing 2 Sports and Entertainment Marketing 1 Sports and Entertainment Marketing 2 Retail & Hospitality Marketing Business Management Fashion & Interior Design Fundamentals Interpersonal Relationships Journalism I Foreign Language
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang <sup>^A</sup> AP English Lit <sup>^A</sup>	Informal Geometry or Geometry or Algebra 2 or Honors Algebra 2 or Algebra 2M or Discrete Math 1&2 or Math Analysis or Trig/Precalculus <sup>*</sup> or AP Statistics <sup>^A</sup>	Chemistry or Honors Chemistry or College Astronomy <sup>*</sup> or Earth Science or MO Nature & Ecology or Human Biology <sup>*</sup> or Zoology or College Physics <sup>*</sup> or DC Biology <sup>*</sup> or Adv Chemistry <sup>*</sup>	US Government or AP US Government <sup>^A</sup>	Entrepreneurship Floriculture Greenhouse Fashion Design and Construction Fashion Merchandising Journalism II School Flex (online college credit) <sup>*</sup>
	12	Language Arts 4 or AP English Lang <sup>^A</sup> or AP English Lit <sup>^A</sup> or Public Speaking or Mythology or Sports Literature & Writing or Mystery & Detective or Creative Writing	Discrete Math 1&2 or Career Math or Math Analysis or Math Analysis or Trig/Precalculus <sup>*</sup> or AP Statistics <sup>^A</sup> or College Algebra <sup>*</sup> or AP Calculus <sup>^A</sup>	AP Geography <sup>^A</sup> Psychology AP Psychology <sup>^A</sup> Sociology	Business Law Entrepreneurship Marketing Lab Journalism III School Flex (online college credit) <sup>*</sup>	FOUR RIVERS CAREER CENTER CAPS Global Business & Entrepreneurship <sup>*</sup>

\* Dual Credit Option    ^ College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Advertising Sales
- Buyers & Purchasing Agents
- Cashiers
- Counter & Rental Clerks
- Demonstrators & Promoters
- Floral Designers
- Merchandise Displayers
- Models
- Opticians
- Parts Sales
- Retail Sales
- Route Sales
- Telemarketers

#### Technical Training or Associate Degree

- Advertising Sales Agents
- Assessors
- Fashion Designers
- Interior Designers
- Lodging Managers
- Property, Real Estate & Community Association Managers
- Real Estate Brokers
- Sales Representatives, Wholesale & Manufacturing (Except Technical & Scientific Products)
- Travel Agents
- Travel Guides
- Wholesale & Retail Buyers except Farm Products

#### Bachelor's Degree

- Art Directors
- Editors
- Market Research Analysts
- Public Relations Specialists
- Sales Managers
- Sales Representatives
- Survey Researchers
- Technical Writers

#### Masters Degree or More

- Business Teacher, Postsecondary
- Marketing Managers
- Public Relations Managers
- Purchasing Managers
- Sales Managers



**Warrenton High School**  
**Science, Technology, Engineering & Mathematics**  
**Career Cluster Program of Study Template**  
[www.warrentonhighschool.warrencor3.org](http://www.warrentonhighschool.warrencor3.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements		
Secondary	9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th		
	10	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	PLTW: Principles of Engineering^  Foreign Language		
	11	Language Arts 3 or Honors Language Arts 3 or AP English Lang^ AP English Lit^	Informal Geometry or Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^	Chemistry Honors Chemistry College Astronomy* College Physics* Forensics DC Biology* Adv Chemistry*	US Government or AP US Government^  AP Geography^	School Flex (online college credit)*   <		

\* Dual Credit Option    ^College Credit Option



Sample careers by desired level of education:

#### On-The-Job-Training or Less

#### Technical Training or Associate Degree

- Electronics Engineering Technologists
- Engineering Technicians
- Manufacturing Engineering Technologists
- Science Technicians

#### Bachelor's Degree

#### Masters Degree or More

- Aerospace Engineers
- Biomedical Engineers
- Cartographers
- Chemists
- Civil Engineers
- Electrical & Electronics Engineers
- Energy Engineer
- Environmental Engineers
- Geospatial Information Scientists
- Industrial Engineers
- Manufacturing Engineers
- Mechanical Engineers
- Meteorologists
- Mining Engineers
- Nuclear Engineers
- Petroleum Engineers
- Photonics Engineers
- Remote Sensing Scientists

- Anthropologists
- Archeologists
- Astronomers
- Biologists
- Environmental Scientists
- Geographers
- Geologists & Geophysicists
- Historians
- Mathematicians
- Physicists
- Political Scientists
- Robotics Engineers
- Sociologists



Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English	Math	Science	Social Studies	Elective Course Suggestions	Additional Graduation Requirements		
Secondary 9	Language Arts 1 or Honors Language Arts 1	Foundations Algebra or Algebra 1 or Geometry Honors Geometry	Physical Science or Honors Physical Science	World History	Computer Applications 1 & 2 Foreign Language	PE (1 credit) - 9th Health (0.5 credit) Fine Art (1 credit) Practical Art (1 credit) Personal Finance* (0.5 credit) - 11th		
	Language Arts 2 or Honors Language Arts 2	Algebra 1 or Informal Geometry Geometry Honors Geometry or Algebra 2 Honors Algebra 2	Biology or Honors Biology ----- Chemistry or Honors Chemistry	American History or AP US History^	Exploring IT/Home Maintenance Foreign Language			
	Language Arts 3 or Honors Language Arts 3 or AP English Lang^A AP English Lit^A	Informal Geometry or Algebra 2 Honors Algebra 2 Algebra 2M or Discrete Math 1&2 Math Analysis Trig/Precalculus* AP Statistics^A	Chemistry Honors Chemistry Earth Science MO Nature & Ecology Human Biology* Zoology DC Biology* Adv Chemistry*	US Government or AP US Government^	Metals Manufacturing Construction Trades School Flex (online college credit)*	<b>FOUR RIVERS CAREER CENTER</b> Collision Repair 1* Auto Technology 1*		
12	Language Arts 4 AP English Lang^A AP English Lit^A Public Speaking Mythology Sports Literature & Writing Mystery & Detective Creative Writing	Discrete Math 1&2 Career Math or Math Analysis Trig/Precalculus* AP Statistics^A or College Algebra* AP Calculus^A		AP Geography^	School Flex (online college credit)*	<b>FOUR RIVERS CAREER CENTER</b> Collision Repair 2* Auto Technology 2*		

\* Dual Credit Option    <sup>A</sup>College Credit Option





Sample careers by desired level of education:

#### On-The-Job-Training or Less

- Air Traffic Controllers & Flight Attendants
- Auto Body Repairers
- Bicycle Repairers
- Bus Drivers
- Dispatchers & Traffic Technicians
- Freight Handlers
- Heavy Equipment Mechanics
- Heavy Truck Drivers
- Motorboat & Motorcycle Mechanics
- Parking Lot Attendants
- Riggers
- Service Station Attendants
- Tire Repairers and Changers
- Transportation Agents

#### Technical Training or Associate Degree

- Aircraft Mechanics
- Automobile Mechanics
- Bus & Truck Mechanics and Diesel Engine Specialists
- Electrical/Electronics Installers/Repairers, Transportation Equipment & Motor Vehicles
- First-Line Supervisors/Managers of Helpers, Laborers & Material Movers
- First-Line Supervisors/Managers of Transportation Material-Moving Machine and Vehicle Operators
- Motorboat Mechanics and Motorcycle Mechanics
- Signal and Traffic Switch Repairers
- Traffic Technicians
- Transportation Vehicle, Equipment/Systems Inspectors

#### Bachelor's Degree

- Airline Pilot
- Logisticians
- Storage & Distribution Manager

#### Masters Degree or More

- Chief Executives

## Graduation Requirements

The graduation requirements listed below meet the minimum standards of Warrenton High School. Students are encouraged to take a challenging curriculum to meet their postsecondary needs.

Warrenton High School Minimum Course Requirements for Graduation	
Language Arts.....4 credits	<p><b>Language Arts:</b>            9th Grade - LA 1 or Honors LA 1            10th Grade - LA 2 or Honors LA 2            11th Grade - LA 3, Honors LA 3, AP Lang or AP Lit            12th Grade - Students have several options to fulfill their LA 4 credit.</p> <hr/> <p><b>Mathematics:</b> Credits should include Algebra 1. Several math courses are offered to fulfill the additional math credits. Students who complete Algebra 1 in 8th grade should complete Algebra 2 in high school.</p> <hr/> <p><b>Science:</b> Credits must include Biology or Honors Biology. Several science courses are offered to fulfill the additional science credits. <i>Also, students who take Agriculture Science 1, Agriculture Science 2, and an additional classroom based Agriculture Science course, will earn the 3rd Science credit towards meeting graduation requirements.</i></p> <hr/> <p><b>Social Studies:</b> Credits must include World History, American History or AP US History, and US Government or AP US Government.</p>
Mathematics.....3 credits	
Science.....3 credits	
Social Studies.....3 credits	
Fine Arts.....1 credit	
Practical Arts.....1 credit	
Physical Education.....1 credit	
Health.....½ credit	
Personal Finance.....½ credit	
Electives.....8 credits	
<b>Total Credits</b> .....25 credits	

## Testing Requirements for Graduation

- **End of Course Exams (EOC's):** All students must complete EOC exams in Algebra I, LA 2, Biology, and Government prior to high school graduation. For students who complete the Algebra I EOC exam prior to high school, Algebra II is the required high school mathematics assessment.
- **Constitution & Civics Tests:** All students must pass the Missouri Constitution test, the United States Constitution test and the American Civics test. Students who do not pass the MO & US Constitution tests will receive an incomplete for the US Government course until the tests are passed. Students who do not pass the American Civics test will receive an incomplete for American History until the test is passed.
- **CPR Instruction:** All students must have thirty minutes of cardiopulmonary resuscitation (CPR) instruction and training in the proper performance of the Heimlich maneuver or other first aid for choking prior to graduation. Students who do not complete this requirement will receive an incomplete for Health until instruction and training are completed.
- **College/Career Exploration Test:** Prior to graduation, all students must have taken at least one of the following DESE recognized college/career tests: ACT, Accuplacer, ASVAB, SAT or WorkKeys.

## Semester Requirement/Early Graduation

Early graduation is an alternative to the regular eight-semester program pursued by most students. In order to be eligible, students must complete all needed credits and specific testing requirements for graduation.

- A. Students are not to be on campus during semesters they are not attending without prior approval from the school administrators. Early graduates will be allowed to participate in all senior class events and dances.

## Earning Credits (Transfer or Non-Traditional)

The Warren County R-III School District recognizes units of credit obtained through accredited schools and school districts, including credits earned through courses delivered primarily through electronic media, such as online courses. For the purposes of this policy, an "accredited school" is a Missouri public school, a Missouri charter school, the Missouri Course Access Program (MOCAP); a private agency where students with disabilities are placed by a public school; or any school or school district accredited by the Missouri State Board of Education, AdvancED or the Independent Schools Association of the Central States (ISACS) or the department of higher education of the appropriate state. If a school or school district is located in another state, that school or school district must be accredited by that state's department of education, AdvancED, ISACS or equivalent organizations. Credit earned from MOCAP, Anytime Learning and all other agencies will be unlimited.

## Dual Credit

Students may dual enroll virtually with colleges and universities and the district will give high school credit for courses completed at the university level. Interested students must meet admission requirements for their desired college. In order for students to virtually enroll there must be an agreement between the school district and the university or college. The district will not limit which school students attend, and will continue to bring additional agreements for approval as students show interest in those colleges. Students interested in dual credit options are encouraged to consider signing up for virtual classes within the Core 42. Core 42 courses change every year, and can be found at the Department of Higher Education's website: <https://dhewd.mo.gov/core42.php>. Visit with your counselor to see what schools we have current agreements with.

## Early College Program - SCC

The Warrenton R-III School District has partnered with St. Charles Community College (SCC) to offer the Early College Program (ECP) to all Warrenton High School Juniors and Seniors. ECP offers high school students that meet admission requirements the opportunity to earn transferable college credits at SCC while still enrolled in high school. When enrolled in ECP, students will take college coursework with a curriculum taught virtually by SCC professors. Students can earn enough credits to complete part or all of an Associate's Degree while concurrently earning a high school diploma. To complete a full Associate's Degree, before graduation, it may be necessary to take SCC courses during the summer. Interested students will need to plan ahead and work with their WHS Counselor and a SCC enrollment representative in order to meet graduation requirements. Students and their families will be required to pay for all tuition, books, and fees. The following associate's degrees are offered at SCC: Business A.A., Economics A.A., Computer Science A.A., Communication A.A., English A.A., Foreign Language A.A., Liberal Arts/Undecided A.A., Social Work A.A., Mathematics A.A., Music Major A.A., Geography A.A., History A.A., Political Science A.A., Psychology A.A., Sociology A.A., Theatre A.A.

## Facilities Maintenance - SCC

For students who are seeking to enter the workforce, and are not interested in seeking a four-year degree, Warren County R-3 has built a program, in conjunction with St. Charles Community College, that will allow students to build hands-on skills and earn dual-credit from St. Charles Community College. Juniors and Seniors who take this program will take classes in Fundamentals of Electronics, Hydraulic and Pneumatic Power, Air Conditioning and Refrigeration, Motors and Controls, Principles of Maintenance Awareness, and Heating Systems, culminating in an internship putting these principles into practice. Students who complete all of the coursework will earn elective credit for the high school, as well as 18 college credit hours from St. Charles Community College. Location and times of these courses will vary, and interested students should meet with their counselor to discuss how this program can fit into their schedule.

## Virtual Course Offerings: MOCAP

MOCAP: The Missouri Course Access and Virtual School Program (MOCAP) has developed a catalog of virtual online courses for students. Students are able to take an entire course from any internet-connected computer, available 24 hours a day, seven days a week. MOCAP's mission is to offer Missouri students equal access to a wide range of high quality courses, flexibility in scheduling, and interactive online learning. The Missouri Department of Elementary and Secondary Education (DESE) and the State Board of Education oversee administration and quality assurance activities such as related content and delivery of courses. To enroll in a MOCAP course(s), see your counselor.

## Schedule Changes

Each year a new master schedule is created to accommodate students' course requests. There are many decisions that are made based on these course selections, therefore, student schedule changes will only be allowed for the following reasons:

- Student does not meet the prerequisite to be enrolled in the course
- Student is not enrolled in a course that is needed to graduate
- An error was made (*example: student is enrolled in a course they have already passed*)

Students will receive a copy of their final schedule prior to the start of the new school year. Students will have the opportunity to drop and add a course during the designated time frame at the beginning of the 1st semester (for 1st semester courses) and during the designated time frame at the end of the 1st semester (for 2nd semester courses).

## Warrenton High School Grading Scale

The following scale will be used to determine grade assessment and the rank of each individual student in his/her class. All courses will be used for figuring GPA and class rank. The following grade points will be given respectively for unweighted and weighted courses.

Letter Grade & Percentage	GPA for NON-WEIGHTED course	GPA for WEIGHTED course
A 95% - 100%	4.00	5.00
A- 90% - 94%	3.67	4.67
B+ 87% - 89%	3.33	4.33

B 83% - 86%	3.00	4.00
B- 80% - 82%	2.67	3.67
C+ 77% - 79%	2.33	3.33
C 73% - 76%	2.00	3.00
C- 70% - 72%	1.67	2.67
D+ 67% - 69%	1.33	2.33
D 63% - 66%	1.00	2.00
D- 60% - 62%	0.67	1.67
F Below 60%	0.00	0.00

### Admission Requirements for Post-Secondary Education (example)

Subject	University of Missouri System*	Public 4 Year College/Univ*	Technical Schools*
Language Arts	4 credits	4 credits	4 credits
Social Studies	3 credits	3 credits	3 credits
Mathematics	4 credits / Algebra 1 & Higher	3-4 credits / Algebra 1 & Higher	3 credits
Science	3 credits	3 credits	2 credits
Fine Arts	1 credit	1 credit	1 credit
Practical Arts	1 credit	1 credit	1 credit
Physical Education	1 credit	1 credit	1 credit
Health	½ credit	½ credit	½ credit
Additional Core Class	1 credit	1 credit	1 credit
Career Course Path	1 credit	1 credit	1 credit
Foreign Language	2 credits	2 credits recommended	-
AP or Dual Credit	-	Recommended	-

*\*Please note: Colleges and Universities may also require certain ACT, SAT, GPA & Class Rank requirements*

Warrenton High School has been designated, by the Missouri Department of Elementary and Secondary Education as an A+ High School. As an A+ High School, WHS has three major goals:

1. All students will graduate from high school.
2. All students will complete a selection of high school courses that are challenging and for which there are identified learning expectations.
3. All students will proceed from high school to college, or post-secondary vocational or technical education, or a high wage job with workplace skill development opportunities.

Programs at WHS are available without regard to race, color, sex, religion, or handicap. All records are maintained in accordance with policies pursuant to Section 438, The Educational Rights & Privacy Act.

## WHS A+ Program Information

### Who can qualify?

To be eligible, each student must enter into a written agreement with the school (applications can be found in the Guidance Office). Students must also:

- Attend a designated A+ high school for 2 years prior to graduation\*
- Graduate with an overall unweighted GPA of 2.5 or higher on a 4.0 scale or the equivalent on another scale.
- Have at least a 95% attendance record overall for grades 9-12.
- Prior to high school graduation, perform 50 hours of unpaid tutoring or mentoring, of which up to 25% may include job shadowing.
- Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol while in grades 9-12.
- Achieve a score of proficient or advanced on the official Algebra 1 EOC, or pass a higher-level math EOC exam approved by DESE, or complete other criteria established by the Coordinating Board of Higher Education.
- Be a U.S. citizen or permanent resident of the United States.
- Perform all other duties and obligations required by state law to be eligible for and receive the benefits of the A+ program.

*\*Students who are active duty military dependents and students who are dependents of retired military personnel who relocated to Missouri within one year of the date of retirement from active duty are excused from this provision if the students attends a designated A+ school in the school year immediately preceding graduation and has met all other eligibility requirements.*

### How much can I receive?

All students must fill out the FAFSA. If state funding is available, the scholarship will then reimburse the unpaid balance of your tuition and general fees after all available non-loan federal financial assistance, such as the federal Pell grant, has been applied to your account. This may result in a zero award if your Pell grant is sufficient to cover all tuition and general fee charges. General fees are fees that are charged to all students, and do not include fees specific to an individual program or group.

### How long do I have after graduation to use the A+ funding?

Your eligibility expires when the earliest of the following occurs:

- Receipt of an associate's degree
- Completion of 105% of the hours required for the program in which you are currently enrolled
- 48 months after the graduation date documented on your high school transcript
  - Students providing service to any branch of the U.S. armed forces can defer their eligibility. Also, students graduating from high school in mid-year may be eligible for a Spring award if their high school transcripts indicate the mid-year graduation date.

## **A+ Citizenship Policy**

The following guidelines will be in place for students seeking A+ schools designation:

- **Academic Reassignment (AR)**

If a student receives 2 ARs for any behaviors during one semester, he/she will be put on “Disciplinary Probation/Concern” for the remainder of the semester and the next full semester. The student will be removed from the Disciplinary Probation/Concern if the student has no AR/OSS during that time. If the student has a third AR/OSS during the Probation/Concern period, the student will be dropped from the A+ Program.

- **Out of School Suspension (OSS)**

If a student receives OSS for any reason, the student will be automatically placed on Disciplinary Probation/Concern for the remainder of the probationary period without any OSS or AR. If the student receives AR or OSS during this time, the student will be removed from the A+ Program.

- **Automatic Removal from the A+ Program**

1. Possession or use of all substances or paraphernalia prohibited in policy JFCH.
2. An indictment or information has been filed against the student, or the student has been convicted of or pled guilty to a felony under federal law, in Missouri, or any other state.
3. A petition has been filed against the student in juvenile court or the student has been adjudicated to have committed by an adult, is a felony under federal law, in Missouri, or any other state.
4. Assault of any person on school property or at a school event.
5. Intimidation or physical threat of any staff member.
6. Involvement in a false fire alarm, bomb threat or misuse of emergency equipment.

## **What do I have to do to keep it after I am in a community college/technical school?**

Maintain a minimum 2.0 (4.0 scale) GPA as a full-time student (12 semester hours) when enrolled in a Missouri public community college, vocational or technical school.

## **How do I apply?**

1. Submit an application to the A+ Coordinator. Applications are located in the Guidance Office and can also be found online at the WHS Guidance Office page.
2. Complete other forms required by the A+ Schools Program.

## **What if I apply and then change my mind about my plans?**

There is no obligation. The application does not mean that you have to attend any certain school or use the A+ program if you change your mind. *For more information, contact Jean Thomas, A+ Coordinator, or visit <http://dhe.mo.gov/ppc/grants/aplusscholarship.php>*



## Course Descriptions



*This symbol identifies courses that have been approved by the NCAA for students that are seeking initial-eligibility as part of their post secondary plans.*

### LANGUAGE ARTS

It is the goal of the Language Arts Department at Warrenton High School to develop proficiency in reading, writing, speaking and listening. Students will become effective communicators, confidently using language to express themselves, to acquire new information and insights, and to work effectively with others. This goal includes encouraging students to develop their individual skills, talents and abilities through participation in co-curricular language arts activities, courses, and electives. *Credits must include: **9th Grade** - LA 1 or Honors LA 1 **10th Grade** - LA 2 or Honors LA 2 **11th Grade** - LA 3, Honors LA 3, AP Lang or AP Lit **12th Grade** - Students have several options to fulfill their LA 4 credit.*

#### Language Arts 1



**Grade Level:** 9

**Length:** Year

**Prerequisite:** None

This course emphasizes the development of writing and reading skills. The study of grammar and composition includes the writing process with an emphasis on paragraph construction, journal writing, and further development of grammar skills—including punctuation, capitalization, spelling, and vocabulary. The students will concentrate on creating, editing, and revising the different types of writing. The literature portion of this course focuses on literary terminology, a variety of genre, vocabulary in context, and written responses to text. The students will be exposed to a broad range of literature—including novels, short stories, poetry, and drama—using the reading workshop concept. Students will be required to read independently and orally. Concentration will be placed on analyzing and evaluating different texts and responding orally and in writing.

#### Honors Language Arts 1 - Weighted



**Grade Level:** 9

**Length:** Year

**Prerequisite:** None

**Recommendation:** *“B” or higher in 8th grade Reading and English Language Arts with a Proficient or Advanced score on the 8th Grade MAP test.*

This course emphasizes the development of writing and reading skills. The study of grammar and composition includes the writing process with an emphasis on paragraph construction, journal writing, and further development of grammar skills—including punctuation, capitalization, spelling, and vocabulary. The students will concentrate on creating, editing, and revising the different types of writing. The literature portion of this course focuses on literary terminology, a variety of genre, vocabulary in context, and written responses to text. The students will be exposed to a broad range of literature—including novels, short stories, poetry, and drama—using the reading workshop concept. Students will be required to read independently and orally. Concentration will be placed on analyzing and evaluating different texts and responding orally and in writing. This course will lead students to be prepared for the AP Exam as a junior and senior.

## Language Arts 2



**Grade Level:** 10

**Length:** Year

**Prerequisite:** None

This course further develops student skills in the content areas of writing, reading, and public speaking. Students will concentrate on the creation of various original works, while focusing on standard usage of the language, grammar skills, editing, and revising. The literature portion of this course exposes students to a multitude of genres, including but not limited to short stories, plays, novels, poetry, and essays. Students will develop communication skills through such practices as the reading and writing workshop, which incorporates both independent and oral reading activities, along with individual and collective responses to the subject matter. Emphasized during this course will be the use of library resources, technology, computer skills, and revision of writing.

## Honors Language Arts 2 - Weighted



**Grade Level:** 10

**Length:** Year

**Prerequisite:** None

**Recommendation:** *“B” or higher in Language Arts 1 or a “C” or higher in Honors Language Arts 1*

Students should have above average oral skills, written skills, and reading abilities. Extensive use of computers will be incorporated to develop student skills in technology and writing, including the ability to do independent research for class projects and essays. There will be a strong emphasis on grammar, vocabulary, and spelling skills. For the literature portion of this course, students will focus on a wide range of genres including short stories and novels. Students will develop communication skills through practices such as reading and writing workshops, which incorporate both independent and group reading activities, along with individual and collective responses to the subject matter. Students will be expected to regularly complete reading and writing assignments outside of class.

## Language Arts 3



**Grade Level:** 11

**Length:** Year

**Prerequisite:** None

Students will develop an understanding of the philosophies, historical development, and literature that shape the American culture. Students will read works from a cross-section of American authors and respond to them in various forms. In addition, composition skills will be developed through prewriting, drafting, revising, proofreading, editing, and publishing. Paragraph construction, vocabulary development, and grammar will be emphasized.

## Honors Language Arts 3 - Weighted



**Grade Level:** 11

**Length:** Year

**Prerequisite:** None

**Recommendation:** *“B” or higher in Language Arts 2 or a “C” or higher in Honors Language Art 2*

This course will focus on an in-depth understanding of the philosophies, historical development, and literature that shape the American culture. Students will read, write, speak, view and listen in order to find and interpret information as well as combine their knowledge and experience. Students are expected to enter with above average reading and writing abilities and read upper level works from cross-sections of American authors and respond to them in various forms. In addition, this course consists of instruction in the writing process and specifications of writing research papers that are informational, persuasive, and analytical. Preparation for the papers will include critical thinking skills, precise writing, and the use of a variety of sources.

## AP English Language & Composition - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** None **Note:** *This is a reading and writing intensive course*

**Recommendation:** *“B” in both semesters of previous Language Arts course or a “C” or higher in both semesters of previous Honors/AP Language Arts*

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. The focus is primarily nonfiction. **Dual Credit:** *This course offers the possibility of earning (6) college credits through UMSL. Students must meet the enrollment criteria established by UMSL. A fee is required by UMSL for earning college credit. AP: Students will have the opportunity to take the AP exam in May to earn college credit.*

## AP English Literature & Composition - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** None **Note:** *This is a reading and writing intensive course*

**Recommendation:** *“B” or higher in both semesters of previous Language Arts course or a “C” or higher in both semesters of previous Honors/AP Language Arts*

Advanced Placement English Literature and Composition is designed to give students the opportunity to study college-level literature and language. Students will analyze poetry, fiction, drama, and novels to determine the purpose and strategies employed by writers to convey meaning. Through reading and analyzing works from various genres and time periods, students will also consider and evaluate literary art’s relationship to cultural and historical values. Furthermore, students will write on a weekly basis to improve their own writing skills both grammatically and analytically. **Dual Credit:** *This course offers the possibility of earning (6) college credits through UMSL. Students must meet the enrollment criteria established by UMSL. A fee is required by UMSL for earning college credit. AP: Students will have the opportunity to take the AP exam in May to earn college credit. A fee is required for the AP exam.*

## Language Arts 4



**Grade Level:** 12

**Length:** Year

**Prerequisite:** None

This course enhances the skills students have developed in their previous Language Arts courses. Students will complete a variety of projects that will hone their research, analysis, writing, and presentation skills. Students will be expected to engage in independent activities and projects as well as collaborate with classmates in order to prepare for post-secondary demands.

## Mystery & Detective



**This course is available on a rotating basis and WILL NOT be offered in 2023-2024**

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

The focus of this course is to survey a selection of classic and contemporary mystery/detective fiction as well as a selection of true crime stories through a range of media. Students will analyze the selections based on the different elements of the mystery/detective genre. While this is not a writing

intensive course, students will be expected to write about topics covered. There will be opportunities for both analytical and creative writing. **Note: This class will be offered during the 2024-2025 school year.**

## Mythology



**This course is available on a rotating basis and WILL NOT be offered in 2023-2024**

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

Students will explore the various mythologies throughout the world including: Norse, Middle Eastern, Egypt, Greek, Roman, Asian, and others. They will research, discuss, and write responses to their discoveries, compare and contrast the various mythologies, determine themes and values within cultures as evidenced in their stories, analyze the hero quest and archetypes, and present various myths through projects. Students will be expected to work independently and in small groups. This course may be controversial due to the discussion of some religious texts. **Note: This class will be offered during the 2024-2025 school year.**

## Sports Literature & Writing

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

Sports Literature & Writing is a course that will examine the unique relationship between sports and society through literature by authors, columnists, and other media. Reading in the course is selected to be high-interest and thought-provoking. Text selections include nonfiction, fiction, poetry, biographies, and commentary. Writing in this course will include descriptive and personal reactions. Through the examination of literature and writing, students will have a greater awareness of the relationship between sports and society. **Note: This class WILL NOT be offered during the 2024-2025 school year.**

## Creative Writing



**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

Students will sharpen their writing skills through the use of the five senses in a variety of writing styles. Creative Writing emphasizes awareness of word usage and vocabulary building, sentence variety, and paragraph fluency. Creative Writing is designed for average and above average students who have the ability to write well-developed paragraphs. Major assignments include writing original short stories that follow thought provoking topics and various kinds of lyrical and narrative poetry. Students will choose other writing assignments from a wide range of possibilities, including feature articles, model essays, and previous student pieces. Professional models of the various genres will be read and discussed in conjunction with the writing. Student writings will be critiqued in class discussion, revised, edited, and published. **Note: This class WILL NOT be offered during the 2024-2025 school year.**

## Public Speaking



**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Language Arts 1*

Students enrolled in this course will learn and deliver different types of speeches that include, but are not limited to: informative, persuasive, and special occasions as well as different types of debate formats. Argumentation includes investigation, development, and delivery of successful debates.

Students will also learn ways to build confidence in speaking as well as ways to be an effective communicator and listener. Students should enter this class with a willingness to speak in front of their peers as this is a mandatory requirement for this course.

## Journalism Writing and Reporting I



**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** None

This course shall serve as an introduction to journalism: law, ethics, reporting, writing, and publishing/design in a variety of media. Students will focus on such skills as interviewing, writing captions and headlines, and using the AP Style Guide to author news articles, feature articles, sports articles, and opinion pieces. Students will also create video announcements for the school.

**Note:** This course DOES meet the graduation requirement for Language Arts 4.

## Journalism Writing and Reporting II

**Grade Level:** 10-12

**ELECTIVE CREDIT ONLY**

**Length:** Year

**Prerequisite:** "C" or higher in Journalism I

This course will allow students to work on more in-depth journalism projects in a variety of media as well as oversee aspects of the announcements. Students will focus on school activities and interests and creation of the senior video. **Note:** This course will count as elective credit and DOES NOT meet the graduation requirement for Language Arts 4.

## Journalism Writing and Reporting III

**Grade Level:** 11-12

**ELECTIVE CREDIT ONLY**

**Length:** Year

**Prerequisite:** "C" or higher in Journalism I and II

This course will allow students to learn specific, self-selected, skills and programs used in the field of Journalism. Students will review, edit, and work with other Journalism students at a higher level of leadership. Students will focus on school activities and interests as well as creation of the senior video. **Note:** This course will count as elective credit and DOES NOT meet the graduation requirement for Language Arts 4. Students may take this course multiple years for elective credit.

## Yearbook

**Grade Level:** 9-12

**ELECTIVE CREDIT ONLY**

**Length:** Year

**Prerequisite:** Application

Students enrolled in this course will need a complex set of abilities. They will need competency in motor, language, interpersonal communications, design, and computer skills to function efficiently in this classroom setting. Students will be expected to write headlines, subheadings, captions, and articles in order to meet pre-set deadlines. In the process of constructing the yearbook, students will learn to interview peers and adults, collect and collate data, take and crop photographs, layout double-page spreads on the computer, sell ads, and organize and handle professional picture days. This course can be taken multiple years. **Note:** This course will count as elective credit and DOES NOT meet the graduation requirement for Language Arts 4. Students may take this course multiple years for elective credit.

## FOREIGN LANGUAGES

Foreign language is not required for graduation from Warrenton High School. However, in order to enroll in most colleges and universities, 2 years of the same foreign language is required. Please

check with the specific college you are interested in attending for their requirements.

- Students who fail 1st semester of a foreign language course will not be enrolled in semester 2.
- Students are required to take foreign language courses in consecutive years, or else may be subject to a proficiency exam to prove retention.

## French 1



**Grade Level:** 9-11

**Length:** Year

**Prerequisite:** None

This course gives the student a basic foundation in French through speaking, listening, reading, and writing exercises. Every effort will be made to make the course relevant to the student by stressing advantages gained from increased communication skills. The first year will also emphasize pronunciation, vocabulary, and basic grammatical structure. The student should be able to give expression both orally & in writing, using vocabulary and grammar structures from each thematic unit.

## French 2



**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** "C-" or higher in French 1

This course continues the study of French, emphasizing increased communication skills for travel purposes. Additional vocabulary and more difficult grammatical structures will be introduced. The student will show greater accuracy in his/her pronunciation and demonstrate greater proficiency of his/her ability to translate from one language to another.

## French 3



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** "C-" or higher in French 2

Students will further the acquisition of vocabulary and advanced grammatical structures. Students will write compositions in French, and will converse in French as much as possible. The purchase of a French/English dictionary is recommended. **Note: Students will have the opportunity to earn the Seal of Biliteracy in this course.**

## French 4



**Grade Level:** 12

**Length:** Year

**Prerequisite:** "C-" or higher in French 3

Students will continue to further the acquisition of vocabulary and advanced grammatical structures. Students will write compositions in French and will converse in French as much as possible. **Note: Students will have the opportunity to earn the Seal of Biliteracy in this course.**

## Spanish 1



**Grade Level:** 9-11

**Length:** Year

**Prerequisite:** None

This course gives the student a basic foundation in Spanish through speaking, listening, reading, and culture. Every effort will be made to make the course relevant to the student by stressing advantages gained from increased communication skills. The first year will also emphasize pronunciation, vocabulary, and basic grammatical structure. The student should be able to give expression both orally and in writing, using vocabulary and grammar structures from each thematic unit.



## Spanish 2



**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** "C-" or higher in Spanish 1

This course continues the study of Spanish, emphasizing increased language skills by means of vocabulary acquisition and grammatical structures.

## Spanish 3



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** "C-" or higher in Spanish 2

Students will further the acquisition of vocabulary and advanced grammatical structures. Students will write compositions in Spanish, and will converse in Spanish as much as possible. The focus of the class is learning vocabulary and grammar through reading and written exercises. **Note: Students will have the opportunity to earn the Seal of Biliteracy in this course.**

## Spanish 4



**Grade Level:** 12

**Length:** Year

**Prerequisite:** "C-" or higher in Spanish 3

Students will further strengthen reading and writing skills through reading various novels, short stories, and poems. Students will work with various grammatical structures as encountered in reading. **Note: Students will have the opportunity to earn the Seal of Biliteracy in this course.**

## MATHEMATICS

It is the goal of the Mathematics Department at WHS to develop an understanding for and appreciation of the world of mathematics, such as number systems, spatial sense, and algebraic manipulation. The goal is to give all students the necessary experiences in the classroom to be competitive in what they do after leaving WHS, whether it is in the workplace or continued education. Students will need a fraction calculator, scientific calculator, or regular calculator as indicated below.

## Foundations of Algebra

**Grade Level:** 9

**Length:** Year

**Prerequisite:** Placement test, previous year's MAP score and/or faculty recommendation

Foundations of Algebra is designed to build a firm base in basic algebraic concepts. This course will cover the properties of real numbers, manipulating and simplifying mathematical expressions, solving linear equations and inequalities, graphing linear equations and inequalities, probability, and data analysis. Students will enter Algebra 1 after completion of this course. **Note: A regular calculator is required.**

## Algebra 1



**Grade Level:** 9

**Length:** Year

**Prerequisite:** None

This course is a study of the language, concepts, and techniques of Algebra that will prepare students to approach and solve problems following a logical succession of steps. Skills taught in the course lay groundwork for upper level math and science courses and have practical uses. Topics include: simplifying and evaluating expressions, writing, solving and graphing equations, applying measures of



central tendency, ratios and proportions, factoring and quadratics. Real world applications are presented within the course content and a function's approach is emphasized. **Note: A scientific calculator is required.**

## Math Lab

**Grade Level:** 10-11

**ELECTIVE CREDIT ONLY**

**Length:** Year

**Prerequisite:** *Students will be assigned based on teacher, counselor, and administrator recommendation and selection.*

This course is intended for the student who will need additional support to be successful in Algebra I.

**Students must be concurrently enrolled in the Algebra I course.** Students will receive extra help with daily homework, learn test taking strategies, and be given extra one-on-one help. The focus of the course will be to augment skills needed to be successful in Algebra I. **Note: This course will count as elective credit and DOES NOT count towards the total Math credits required for graduation.**

## Informal Geometry

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Algebra 1 with teacher recommendation*

Informal Geometry will include many of the topics that are included in Geometry, only at a slower pace. This course will require some knowledge of algebra skills and focus on the application of Geometry rather than theory. **Note: A scientific calculator is required.**

## Geometry



**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** *Successful completion of Algebra 1*

This course includes an in-depth analysis of plane, solid and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines, polygons, perimeter and area of two-dimensional figures, volume and surface area of three-dimensional figures, similarity and congruence, trigonometry, and analytic geometry. Students will be required to write, explain, justify, prove and analyze while developing critical thinking skills. Throughout the course students will be given opportunities to use technology to develop 21st century mathematics knowledge and skills. **Note: A scientific calculator is required.**

## Honors Geometry - Weighted



**Grade Level:** 9-10

**Length:** Year

**Prerequisite:** *"A-" or higher in Algebra 1 or teacher recommendation*

This course is designed for students who want and need advanced training in geometric mathematics. The course will take an in depth look at logic and proof, parallel lines, polygons, perimeter and area of two-dimensional figures, volume and surface area of three dimensional figures, similarity and congruence, trigonometry, and analytic geometry. Students will be required to write, explain, justify, prove and analyze while developing critical thinking skills. Students in this class will get an enrichment of the material taught in Geometry. **Note: A scientific calculator is required.**

## Algebra 2M

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Successful completion of Informal Geometry or Geometry with teacher recommendation*

This course is designed for students considering post-secondary education. The content is similar to Algebra 2, but not as in-depth. **Note: A scientific calculator is required.**

## Algebra 2



**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Geometry*

Algebra 2 starts with a continuation of concepts studied in Algebra 1 and will build upon higher order thinking skills integrated with concepts from Geometry. Students will acquire the knowledge and skills to problem solve, communicate with an advanced mathematical language, and create models to make connections to real world applications. Students will be challenged by new concepts that require graphing skills, analyzing functions, solving higher order equations, investigating complex number systems, constructing and manipulating matrices, applying logarithms, analyzing data, and calculating probability. Students will critically analyze problems and creatively develop solutions using these specific skills. Instructional topics will be introduced in a variety of methods including lecturing, teacher guided practice, and cooperative learning. Appropriate technology, manipulatives, calculators and application software will be used regularly for instruction and assessment. **Note: A scientific calculator is required.**

## Honors Algebra 2 - Weighted



**Grade Level:** 10-11

**Length:** Year

**Prerequisite:** *"B+" or higher in Honors Geometry or "A-" or higher in Geometry or teacher recommendation*

This course is designed for students who have a desire to pursue upper level mathematics. Students will acquire the knowledge and skills to problem solve, communicate with an advanced mathematical language, and create models to make connections to real world applications. Students will be challenged by new concepts that require graphing skills, analyzing functions, solving higher order equations, investigating complex number systems, constructing and manipulating matrices, applying logarithms, analyzing data, and calculating probability. Students will critically analyze problems and creatively develop solutions using these specific skills. Students who enroll in this class will get an enrichment of the material taught in Algebra 2. **Note: A scientific calculator is required.**

## Discrete Math 1



**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** *Successful completion of Algebra 2 or teacher recommendation from Algebra 2M*

This course broadens mathematical concepts and ideas. The class explores mathematics not traditionally found in the high school math curriculum. This course provides an insight into what mathematics has to offer beyond Algebra and Geometry. Topics of study include number theory, numeration systems, math history, logic, graph theory and programming. **Note: This course can be taken concurrently, before, or after Discrete Math 2.**

## Discrete Math 2



**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** *Successful completion of Algebra 2 or teacher recommendation from Algebra 2M*

This course will broaden mathematical concepts and ideas. The course explores mathematics not traditionally found in the high school math curriculum. This course provides an insight into what mathematics has to offer beyond Algebra and Geometry. Topics of study include the mathematics of finance, set theory, counting techniques, cryptography, election theory, and geometry. **Note: This**

course can be taken concurrently, before, or after Discrete Math 1.

## Math Analysis



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** “C-” or higher in Algebra 2 or Honors Algebra 2 or teacher recommendation

Math Analysis is a college-prep class designed for students pursuing a degree where Calculus is not needed. Also, Math Analysis is designed to reinforce and expand algebraic concepts. The following advanced algebra topics will be covered: solving equations; systems of linear equations; quadratic equations; operations with polynomials; radicals; quadratic relations and systems; conic sections; exponential functions and logarithms; graphing of lines; quadratics; square roots; piecewise functions; matrices; vectors and trigonometry. **Note:** A scientific calculator is required.

## Trigonometry - Weighted



**Grade Level:** 11-12

**Length:** 1st Semester

**Prerequisite:** “B-” or higher in Algebra 2 or Honors Algebra 2 with teacher recommendation

This course covers trigonometric functions and their graphs, trigonometric identities, and inverse functions and equations. Students who take this course should plan on taking Calculus either later in high school or in college. **Note:** A scientific calculator is required. **Dual Credit:** This course offers the possibility of earning college credits through Missouri Baptist University. Students must take both Trigonometry and Pre-Calculus as well as meet the enrollment criteria established by Missouri Baptist to earn the credit. A fee is required by Missouri Baptist University for college credit.

## Precalculus - Weighted



**Grade Level:** 11-12

**Length:** 2nd Semester

**Prerequisite:** “C-” or higher in Trigonometry

This course covers coordinate geometry, polynomials, inequalities, functions, exponents, and limits. This course is designed to give students an introduction to calculus. Students who take this course should plan on taking Calculus later in high school or in college. **Note:** A scientific calculator is required. **Dual Credit:** This course offers the possibility of earning college credits through Missouri Baptist University. Students must take both Trigonometry and Pre-Calculus as well as meet the enrollment criteria established by Missouri Baptist to earn the credit. A fee is required by Missouri Baptist University for college credit.

## AP Statistics - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** “B-” or higher in Algebra 2 or teacher recommendation

This advanced placement course introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. The course will study statistics using varying methods, including technology. AP Statistics will be taught as a college level course. **Note:** A scientific calculator is required. **Dual Credit:** This course offers the possibility of earning (3) college credits through Missouri Baptist University. Students must meet the enrollment criteria established by Missouri Baptist. A fee is required by Missouri Baptist for earning college credit. **AP:** Students will have the opportunity to take the AP exam in May to earn college credit. A fee is required for the AP exam.

## Career Math

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Must have earned 2 previous math credits and no credit higher than Algebra 2M*

This course is open to students that meet the prerequisite, but recommended for students with credit in Algebra 2M. This class deals with mathematics that occur as you go through daily living and consumerism. Units covered include: statistics and probability, payroll and taxes, consumer financing and banking, transportation cost, living cost and money management. This course is designed to benefit students regardless of future plans. **Note: A regular calculator is required.**

## College Algebra - Weighted



**Grade Level:** 12

**Length:** Year

**Prerequisite:** *"C-" or higher in Pre-Calculus, "B-" or higher in Math Analysis or Algebra 2, or teacher recommendation*

College Algebra is a course designed to go more in depth with the concepts discussed in Algebra 2, Math Analysis and Pre-Calculus. It is designed to resemble a college level algebra course, covering the following topics: a review of basic algebra; linear and quadratic equations; polynomial, rational, exponential and logarithmic functions, including graphs, properties and solutions. Other topics may include conics, systems of equations and matrices. **Note: A scientific calculator is required. A graphing calculator will be provided when necessary.** **Dual Credit: This course offers the possibility of earning (3) college credits through Missouri Baptist University. Students must meet the enrollment criteria established by Missouri Baptist. A fee is required by the university for earning college credit.**

## AP Calculus - Weighted



**Grade Level:** 12

**Length:** Year

**Prerequisite:** *"B" average in Pre-Calculus*

This course is designed for those students who will need to take calculus at the college or university level. The material covered will introduce the students to concepts covered in a first semester college calculus course. Topics covered will include differentiation, integration, and analytical geometry.

**Note: A scientific calculator is required. AP: Students will have the opportunity to take the AP exam in May to earn college credit. A fee is required for the AP exam.**

## SCIENCE

In a world in which the technological progress of man is accelerating at an almost incomprehensible pace, the Science Department at WHS offers courses of study that are designed to familiarize students with both the methods and the achievements of science. Courses in the biological and physical sciences are offered to meet the needs of diverse student populations with varying degrees of interest and skills. All classes require students to illustrate knowledge of a step-by-step problem solving approach to answering questions. Students will use the information learned to solve problems at home and school. **All safety procedures in lab work for all classes will be observed.**

## Physical Science



**Grade Level:** 9

**Length:** Year

**Prerequisite:** None

Physical Science is an introductory course to the basic concepts of physics and chemistry. Lab experiences and lectures are used to emphasize scientific concepts. Students will learn to use basic

lab equipment, collect data, and write lab reports. This course serves as a basis for the study of other science courses.

## Honors Physical Science - Weighted



**Grade Level:** 9

**Length:** Year

**Prerequisite:** “B” or higher in Algebra 1 and “A” or higher in 8th grade Science plus teacher recommendation.

Honors Physical Science is an introductory course to the basic concepts of physics and chemistry. Lab experiences and lectures are used to emphasize scientific concepts. Students will learn to use basic lab equipment, collect data, and write lab reports. This course serves as a basis for the study of other science courses. This class will be more in-depth mathematically and scientifically compared to the regular physical science classes and we will focus more on physics content.

## Biology



**Grade Level:** 10

**Length:** Year

**Prerequisite:** None

This is an introductory course in Biology, the study of living things. This course stresses the scientific method, laboratory work, and the structure of organisms from atoms through systems, biological processes, classification, and the use of microscopes. Biology can be used as a prerequisite for college, junior college, or to help understand common ordinary biological problems.

## Honors Biology - Weighted



**Grade Level:** 10

**Length:** Year

**Prerequisite:** *Students that successfully complete both semesters of Honors Physical Science with an 80% or above will be placed into Honors Biology. Students that complete Regular Physical Science with a 90% and above can be placed in Honors Biology upon teacher recommendation. All Physical Science teachers will meet at the end of the year to consider who will be placed in Honors Biology based on the following criteria: grades, attendance, attitude, work ethic, tardies and discipline.* This is an introductory course in biology, the study of living things. This course stresses the scientific method, laboratory work, and the structure of organisms from atoms through systems, biological processes, classification, and the use of microscopes. Biology can be used as a prerequisite for college, junior college, or to help understand common ordinary biological problems. Students in this course will be expected to do out of class, independent work as well as participate in more challenging activities.

## Chemistry



**Grade Level:** (10)11-12 10th with additional requirements (see note)

**Length:** Year

**Prerequisite:** Concurrently enrolled in Algebra 2 or successful completion of Algebra 2; Concurrently enrolled in Algebra 2M with recommendation from previous Math & Science teacher or successful completion of Algebra 2M with “B-” or higher.

**Recommendation:** “C-” or higher in Physical Science

Chemistry is a rigorous full year course designed to prepare students for AP Chemistry and/or students who are planning a career in a STEM (Science, Technology, Engineering, and Math) field. The course will cover the traditional topics covered in any college preparatory chemistry class, to include laboratory work. Any student who does not meet the prerequisite should seek approval by the chemistry teacher before enrolling. **Note:** Sophomores may take this course with teacher and counselor approval (sophomores will be concurrently enrolled in Biology).



## Honors Chemistry - Weighted



**Grade Level:** 10-12 (only open to 10th grade during the 2023-2024 school year) **Length:** Year  
**Prerequisite:** *Concurrently enrolled in Honors Algebra 2 and successful completion of Honors Geometry with a “B-” or higher or concurrently enrolled in Algebra 2 and successful completion of Geometry with an “A-” or higher.*

Honors Chemistry is a rigorous year-long, weighted course designed to prepare students for Advanced Chemistry and/or students that are planning a career in a STEM (Science, Technology, Engineering, and Math) field. The course will explore the traditional topics covered in any college preparatory chemistry class, to include laboratory work. Any student who does not meet the prerequisite should seek approval by the chemistry teacher before enrolling. **Note: Sophomores may take this course with teacher and counselor approval (sophomores will be concurrently enrolled in Biology).**

## Earth Science



**Grade Level:** 11-12 **Length:** Year  
**Prerequisite:** None

This hands-on course will introduce students to topics in Geology and Earth Science. This course will challenge students to think about topics critically and analytically, relying heavily on the scientific method. Students will learn to use lab equipment, collect data, and write proper lab reports. Upon completion of this course, students will have a broader and more intimate knowledge of the scientific process.

## Missouri Nature & Ecology



**Grade Level:** 11-12 **Length:** Year  
**Prerequisite:** *Successful completion of Biology*

This course covers the Missouri Conservation Department curriculum. There is emphasis on Missouri ecology and Missouri species. We will also cover global topics related to ecology, such as populations, water/air/land, mineral and energy resources, and global health. Students will experience outdoor activities.

## Human Biology - Weighted



**Grade Level:** 11-12 **Length:** Year  
**Prerequisite:** *Successful completion of Biology with “B-” or higher*

This course emphasizes the study of the human body systems, including both anatomy and physiology. It provides a foundation for those students who are planning on pursuing careers in the medical field and provides information useful in understanding the illnesses and injuries encountered by people during their lives. This course is a lecture/lab type of course. **Dual Credit: This course offers the possibility of earning (4) college credits through Missouri Baptist University. Students must meet the enrollment criteria established by Missouri Baptist. A fee is required by Missouri Baptist for earning college credit.**

## Zoology



**Grade Level:** 11-12 **Length:** Year  
**Prerequisite:** *Successful completion of Biology*

This course is a detailed survey of the major phyla of the animal kingdom. Many hands-on dissections are done to learn the basic anatomy, physiology and classification of animals. It includes a great deal of scientific vocabulary. One semester is devoted to the study of invertebrates, the other to vertebrates. This course provides an opportunity to develop the study skills needed for keeping up in later fast-paced science courses the student may take and is of interest for those students who are fascinated by science.

## Forensics



**Grade Level:** 11-12

**Length:** Year

**Recommendation:** *Successful completion of Biology with “B-” or higher*

Forensic science is primarily laboratory classes designed to improve a student’s skills in deductive reasoning, critical thinking, and evaluation through the use of forensic science and criminology. The class integrates all areas of science, including biology, chemistry, physics, and earth science. Psychological profiles, cultural factors, and historic development are also incorporated. In addition, students will be asked to read, research, hypothesize, interview, and use deductive reasoning to propose possible crime solutions. First semester topics include biology (using insects, bodily remains, DNA, and plants to solve crimes), physical evidence (glass and oil), and document analysis. Topics to be included in the second semester include prints, serology, hair and fibers, and toxicology. The final exam includes solving a mock crime scene.

## College Astronomy - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Successful completion of Geometry with “B” or higher or with “C” AND recommendation from Math and Science teacher*

This course introduces the basic laws and principles of the universe and the solar system. A strong background in math and science is recommended for this course. Night and evening observations of the sky are also required. **Note: Extensive work is expected outside of class time. Dual Credit: This course offers the possibility of earning (3) college credits through UMSL. Students must meet the enrollment criteria established by UMSL. A fee is required by UMSL for earning college credit.**

## College Physics - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Successful completion of Algebra 2 with “B” or higher*

This course deals with the topics of mechanics and nuclear energy. Lab experiments and reports are important in this course. The primary emphasis of College Physics will be on problem solving using basic physical laws. **Dual Credit: This course offers the possibility of earning (4) college credits through Missouri Baptist University. Students must meet the enrollment criteria established by Missouri Baptist. A fee is required by Missouri Baptist for earning college credit.**

## Dual Credit Biology - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *“B-” or higher in Honors Biology or “B+” or higher in Biology*

This course is designed to be the equivalent of a general biology college course. Dual Credit Biology differs significantly from introductory biology in the depth and rigor of the course. Units of study include biochemistry, cellular biology, genetics, evolutionary theory, bioethical controversies, and taxonomy of animals. **Note: Approximately 25% of class will be dedicated to mandatory labs. Extensive work is expected outside of class time. Dual Credit: This course offers the possibility of**



earning (4) college credits through Missouri Baptist University. Students must meet the enrollment criteria established by Missouri Baptist. A fee is required by Missouri Baptist for earning college credit.

## Advanced Chemistry Lecture & Lab - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** Successful completion of Chemistry with “B-” or higher

The Advanced Chemistry course is designed to be the equivalent of a general college chemistry course. Advanced Chemistry differs significantly from the usual first high school course in chemistry with respect to the range and depth of topics covered, the type of laboratory work done by students, and the time and effort required of students. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing fields of science. **Dual Credit:** *This course offers the possibility of earning (5) college credits through Missouri Baptist University. Students must meet the enrollment criteria established by Missouri Baptist. A fee is required by Missouri Baptist for earning college credit.*

## SOCIAL STUDIES

The field of social studies involves a wide range of courses about man and society, past and present. The student of social studies will have a chance to develop an understanding of the historical events that affect the lives of all people in today’s world; a deeper appreciation of other people and cultures; a problem-solving approach to life that reflects critical analysis and historical perspective, objectivity and knowledge; and an awareness of his/her own values.

## World History



**Grade Level:** 9

**Length:** Year

**Prerequisite:** None

This chronological survey course traces the development of mankind from ancient civilizations to the end of the twentieth century. This course will concentrate on political and social developments of world civilization in the last thousand years. Students will also study geography in relation to history. Map work and critical thinking will be required. There will be required 1st and 2nd semester projects.

## American History



**Grade Level:** 10

**Length:** Year

**Prerequisite:** None

This course is an overview of American history from the age of slavery to the present day. Topics to be covered, but not limited to include: Reconstruction, Western Expansion, the Progressive Era, WWI, the Roaring 20’s, the Great Depression, WWII, the Cold War, the Korean and Vietnam Wars, the 1960’s, through the end of the Cold War up to September 11, 2001. Equal attention will be placed on political, geographical, economic, cultural, and social aspects of American history. America’s role in world affairs will be stressed as well. Students will be expected to analyze information, think critically, and express comprehension in an assortment of ways. **Note:** *Graduation Requirement - All students must pass the American Civics test. Students who do not pass the American Civics test will receive an incomplete for American History until the test is passed.*

## AP United States History - Weighted



**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** "B" or higher in previous History course

AP United States History is meant to be the equivalent of a freshman college course, and it is intended to prepare students for the AP exam. This two-semester survey course involves American History from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents. **Note: This course satisfies 10th grade American History requirement. All students must pass an American Civics test. Students who do not pass the American Civics test will receive an incomplete for AP US History until the test is passed. Extensive work is expected outside of class time. Students will be given a summer assignment that will be collected when school begins in the fall. AP: Students will have the opportunity to take the AP exam in May to earn college credit. A fee is required for the AP exam.**

## AP Geography - Weighted



**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** None

AP Geography is an introductory college-level human geography course. Students will cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization (urban vs rural), human impacts and interaction with their environment (pollution, new energy sources), and spatial processes and societal change (culture, religion, politics, music). **AP: Students will have the opportunity to take the AP exam in May to earn college credit. A fee is required for the AP exam.**

## United States Government



**Grade Level:** 11

**Length:** Year

**Prerequisite:** None

In this course, the students will study our political system by examining the institutions, branches, and functions of federal, state, and local governments; as well as the factors that influence this system, such as the electoral process and political parties. Students will learn the responsibilities and duties of citizens in a democratic society and how, as citizens, they can influence the decisions of government. **Note: Graduation Requirement - All students must pass the Missouri Constitution test and the United States Constitution test. Students who do not pass the MO & US Constitution tests will receive an incomplete for United States Government until the tests are passed.**

## AP United States Govt & Politics - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** "B" or higher in previous History course

This course is an intensive study of the formal and informal structures and practices of the American Government. Students will develop an understanding of the strengths and weaknesses of the political system by examining political theory and public policy. This course includes both the study of general concepts used to interpret U.S. Government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Emphasis is placed on critical thinking and analysis as well as in-depth writing assignments. A strong foundation of reading and writing skills along with devoting a

considerable amount of independent study time outside of class are essential tools for success. This course is designed to prepare students for the AP United States Government & Politics exam.

**Note: Graduation Requirement - All students must pass the Missouri Constitution test and the United States Constitution test. Students who do not pass the MO & US Constitution tests will receive an incomplete for AP US Government until the tests are passed. This course satisfies 11th grade U.S. Government requirement. Extensive work is expected outside of class time. Students will be given a summer assignment that will be collected when school begins in the fall. AP: Students will have the opportunity to take the AP exam in May to earn college credit. A fee is required for the AP exam.**

## History Through Film

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** None

This elective course discusses historical eras and how they have been portrayed in film. This course will cover history from ancient times until the modern day, covering all parts of the world. Units covered: Ancient World, European History, Asian/African World, Central/South American, and North American/United States History. Students will be asked to take notes, complete research, write papers, discuss, create projects, read and do a book report, as well as quizzes and tests over the history and movies presented in class.

## Sociology



**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** None

Sociology is a semester elective course designed to familiarize students with various cultures and the problems resulting from people living in groups. The course may cover such topics as culture, subcultures, social institutions and socialization, collective behavior, social change, the family, religion, racial and ethnic minorities, and poverty, deviance and crime.

## The Law



**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** None

This course is a practical study in the legal, judicial, law enforcement, and correctional systems of the United States. The class will focus on legal principles, the laws, and procedures derived from them.

## Psychology



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** None

This year-long course is designed to introduce students to the biological and theoretical foundations of psychology. The course will encourage students to develop analytical skills, conduct research, investigate the mind-body connection, analyze concepts of consciousness, intelligence, and human development, evaluate theories of personality, develop an understanding of psychological disorders, and evaluate the role and effectiveness of treatments. Students will be expected to demonstrate their understanding of psychology through various projects, discussions and assignments.

## AP Psychology - Weighted



**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** None

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology, such as, scientific method and foundations, biological basis of behavior, sensation and perception, learning, cognition, development, motivation, emotion, personality, intelligence, social psychology, disorders, and treatment. **Note: Extensive work is expected outside of class time. Students will be given a summer assignment that will be collected when school begins in the fall.** **AP: Students will have the opportunity to take the AP exam in May to earn college credit. A fee is required for the AP exam.**

## FINE ARTS

It is the goal of the Warrenton High School Fine Arts Department to develop an appreciation for music, art, and drama. Students will increase knowledge of the arts and proficiency in skills, talents, or abilities that they have chosen to develop. They will learn to express themselves through the medium they choose and will learn how these areas can be developed as future vocations and avocations. Students will be given opportunities to perform and illustrate their proficiency in these areas in class work and through extra-curricular activities.

### Art Foundations

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

Art foundations is a prerequisite for most art courses and recommended for all other visual arts courses. Art Foundations focuses on technical development as well as artistic conceptual development. Students taking art foundations should expect to complete skill building activities centered on developing art skills using painting and drawing media and focusing on the elements and principles of art. Students will be expected to create a variety of artworks focused on suggested themes using technical skills covered for the semester. Students should expect to have written work and various other assignments.

### 2D / 3D Design

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** Successful completion of Art Foundations or teacher recommendation by middle school teacher

This semester class offers students the opportunity to broaden their appreciation for the visual arts through the creation of two-dimensional and three-dimensional art forms. Students will explore alternative art methods such as: glass mosaics, resist, printmaking, fibers, and basic sculptural arts. Students taking this course should expect to complete written work and a portfolio of their work.

### Drawing

**Course Fee:** \$15

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** Successful completion of Art Foundations

Drawing offers students who are interested in drawing, the opportunity to develop skills and work with a variety of drawing media. During this class, students will broaden their knowledge of the visual arts through production of a variety of artwork in large and small scale, use of a multitude of media, discussion of current and past artists, conceptual development, as well as reflection on work created. Students should expect to have written work, a digital portfolio, and various other assignments related

to the subject being studied. **Note: This course can be taken up to two times.**

## Painting

Course Fee: \$25

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Art Foundations*

Painting offers students who are interested in painting the opportunity to develop technical skills and work with watercolor, acrylic, and oil painting media. During this class, students will broaden their knowledge of the visual arts through study of color theory, production of a variety of artwork, use of various painting techniques and media, discussion of current and past artists, conceptual development, as well as reflection on work created. Students should expect to have written work, a digital portfolio, and various other assignments related to the subject being studied. **Note: This course can be taken up to two times.**

## Ceramics 1

Course Fee: \$15

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

This course offers students the opportunity to learn skills and knowledge associated with the ceramic arts, as well as, an opportunity for students to broaden their appreciation for the visual arts. During the semester, students will create ceramic projects using the three basic handbuilding techniques: pinch, coil, and slab. Students taking this art class should expect to have written work, tests, quizzes, a digital portfolio, and various other assignments related to the subject being studied.

## Ceramics 2

Course Fee: \$20

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *"C" or higher in Ceramics 1*

This course offers students who have a strong interest in ceramics the opportunity to further advance and refine their skills in creating ceramic works of art. Students will be creating projects that require success with and understanding of the three basic hand-building techniques. During this course students have the opportunity to further explore more technical aspects of handbuilding. Students taking this art class should expect to have written work, tests, quizzes, a digital portfolio, and various other assignments related to the subject being studied.

## Advanced Ceramics

Course Fee: \$40  
(\$20/semester)

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *"B" or higher in Ceramics 2*

This course offers students who have successfully completed ceramics 2, and would like to further explore technical ceramics skills, the opportunity to further advance and refine their skills in creating ceramic works of art. Students will be further introduced to surface design techniques, handbuilding techniques, wheel throwing, and sculptural modeling techniques. Students will be expected to research and plan, develop their art making skills, compose art with consideration of design, create original art, communicate through their work, solve problems independently, take risks, and reflect on their artistic process. Students will work independently selecting media and technique options to create their own body of work. Students will be required to submit weekly visual journal investigations. Students taking this class will be required to develop a portfolio with sketches and reflective writing.

**Note: This course can be taken up to two times.**

## Digital Photography

Course Fee: \$10

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *Teacher recommendation and signed student contract*

This course offers students the opportunity to explore digital photography as an artistic medium. Students will learn both artistic and technical aspects of digital photography including but not limited to: composition organization, photoshop editing techniques, photoshop manipulation or photo altering methods, and finally technical aspects of handling and using a DSLR digital camera. A large portion of the course will be spent identifying and learning how to manipulate manual camera modes in relation to ISO, shutter speed, and Aperture. Students taking this course will be expected to complete at least 50 percent of his or her photoshoots outside of class time, off of school grounds.

**Note:** Students may use their own DSLR cameras or check out school cameras to complete class assignments. Students will be required to use a DSLR camera which will be provided; however, will require parent/ guardian signatures on a camera contract to ensure that in the case of damage, misplacement, etc. Replacement of the camera will be taken care of by the parent/guardian in the form of the cost of replacement of similar or equivalent equipment. Students will be required to pay a materials fee, which includes the cost of printing, a provided flash drive for image organization and storage, as well as minor camera/photo supply maintenance. Students taking this art class should expect to have written work, tests, quizzes, and various other assignments related to the subject being studied.

## Graphic Design: Photoshop

Course Fee: \$10

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

**Recommendation:** *Art Foundations*

Graphics is a digital art class that allows students the opportunity to become familiar with various topics in graphic design as well as computer art applications. Students will gain foundation computer skills by using Adobe Photoshop Creative Cloud to produce works related to the digital art field. The course will cover topics in graphic design, digital painting, photography, photo manipulation, collage, advertisement design, and special graphic effects. Students should expect to have written work, quizzes, and various other assignments related to the digital arts.

## Graphic Design: Illustrator

Course Fee: \$10

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

**Recommendation:** *Graphic Design: Photoshop*

This course gives students who are interested in pursuing a career in the digital arts the opportunity to further develop their skills in graphic design as well as computer art applications. Students will continue to build upon their digital art computer skills by using Adobe Photoshop Creative Cloud as well as Adobe Illustrator Creative Cloud to produce digital imagery. The course will cover topics in graphic design, promotional designs, and logo designs. Students will be able to combine the use of digital painting and illustration skills from both art software to produce final pieces.

## Sculpture

Course Fee: \$15

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

**Recommendation:** *Art Foundations*

Sculpture offers students who are interested in the arts to work with multiple forms of media



three-dimensionally. Students in this class will explore a variety of media including, but not limited to: plaster, wood, paper mache, foam, etc. to construct sculptural forms. Students taking this class should be prepared to bring in some of their own materials for the purpose of the concept being explored. Students will be required to pay a materials fee, which will include the cost of a minimal amount of the materials being used. Students taking this art class should expect to have written work, quizzes, a digital portfolio and various other assignments related to the subject being studied.

### Art Studio

Course Fee: \$15/Semester

**Grade Level:** 10-12

**Length:** Semester or Year

**Prerequisite:** *"C" or above in Drawing or Painting*

An advanced level course in drawing and/or painting with an emphasis on developing a greater depth of understanding of art and application of the Elements of Art and Principles of Design to their work in a variety of media. Studio experiences include drawing, painting, printmaking, and mixed media. Each student will demonstrate progress over time by developing a body of work and organizing a portfolio. During this class students will focus on complex conceptual idea development, manipulation of media to create emphasis on the concept portrayed, and further complex technical development using media and subject of their choice. With the help of the instructor, a specific course of study will be created for the year focusing on student needs and interests. Students will be expected to research and plan, develop their art making skills, compose art with consideration of design, create original art, communicate through their work, solve problems independently, take risks, and reflect on their artistic process. **Note:** *This course can be taken up to two full years.*

### Marching/Concert Band

Course Fee: \$50

**Grade Level:** 9-12

**Length:** Year

**Additional Fee:** *Any student using a school instrument in an ensemble will be assessed an additional \$25 per semester to maintain and repair the school owned equipment.*

**Prerequisite:** *See Note*

Marching Band/Concert Band is a course designed not only to teach students the performance of music, but also to challenge students to learn about the different aspects of music history and music theory and how these two entities can dictate the performance of a given piece of music. Students will come away from this course with a better understanding of how music is related to the other areas of fine arts. **Note:** *Students are required to attend summer Marching Band Camp as a prerequisite and must be enrolled in Marching Band in order to participate in Concert Band. Failure to attend summer camp will result in dismissal from the class unless teacher approval is obtained in advance. Class participation, as well as performance participation, is required.*

### Jazz Band

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** *Audition*

Jazz Band is an audition based group. To enroll in this class you must audition the previous year (auditions will take place in March/April). Students must also be enrolled in Marching Band/Concert Band for their 9th grade year. In this class, students will learn the language and history of jazz music through improvisation, in-class lectures, small group performances, and large group performances. Students will be asked to explore all aspects of jazz including transcription, listening, and more.

**Note:** *An after school non-auditioned based jazz band will be open to all students enrolled in Marching Band/Concert Band. Interested students should contact the Jazz Director for more information.*



## Music Appreciation

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

Music appreciation is a semester-long, non-performing music class. Students will study the progression of American popular music from the American Revolution through the 80's. Units covered include American Revolutionary music, Civil War music, Jazz, Country, Rock and Roll, Folk, Disco, and Funk. Music is examined through a societal, economical, and technological lens to better understand why popular music is where it is today.

## Beginning Treble Choir

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** None

Beginning Treble Choir offers higher-voiced or female students the opportunity to participate in a treble-voice ensemble through the study of vocal technique and performance of choral literature. The fundamentals of music literacy, musicality, and vocal development are presented in a logical progression, perfect for the beginning or experienced treble singer. **Note: This is a co-curricular class. There will be requirements for students to be present after school for extra rehearsals and performances that will directly affect the student's grades.**

## Concert Choir

**Course Fee:** \$10

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** None

Concert Choir offers all students the opportunity to participate in a mixed voice ensemble through the study of vocal technique and performance of choral literature. The fundamentals of music literacy, musicality, and vocal development are presented in a logical progression, perfect for the beginning or experienced singer. **Note: This is a co-curricular class. There will be requirements for students to be present after school for extra rehearsals and performances that will directly affect the student's grades.**

## Treble Varsity Choir

**Course Fee:** \$20

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** Audition

Treble Varsity Choir is a selective, auditioned choir of treble-singers who study advanced musical techniques through the preparation of and performance of repertoire focused in multiple styles. Music literacy, tonal independence, and advanced vocal technique are taught and expected of each singer. **Note: This is a co-curricular class. There will be requirements for students to be present after school for extra rehearsals and performances that will directly affect the student's grades.**

## Mixed Varsity Choir

**Course Fee:** \$20

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** Audition

Mixed Varsity Choir is a selective, auditioned choir of singers who study advanced musical techniques through the preparation and performance of repertoire focused in multiple styles. Music literacy, tonal performance, advanced vocal technique are taught and expected of each singer. **Note: This is a co-curricular class. There will be requirements for students to be present after school for extra rehearsals and performances that will directly affect the student's grades.**

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## Theatre Arts 1

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

This course is open to all students regardless of previous experience or ability level. Theatre Arts 1 will introduce the students to the creative process as it applies to theatre. The course will involve students being introduced to the performing, technical, and historical aspects of theatre. The course will utilize several performance-based projects and some line memorization will be required. Students will be required to read, study, perform, and participate both independently and in groups.

## Theatre Arts 2

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Theatre Arts 1*

This course is open to all students regardless of previous experience or ability level. Students will become aware of the creative process as it applies to theatre. They will be required to prepare various memorized performances. Units of study may include performance styles, ensemble work, and individual performances. Students will also learn about various careers in the theatre arts as well as how skills in the theatre arts apply to a range of other areas.

## Acting & Directing 1

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *Successful completion of Theatre Arts 1 and 2 with “C-” or higher*

The course will allow students to delve more deeply into acting techniques. Emphasis will be on performance techniques, advanced script and character analysis, theatrical movement and styles, exploration of master teacher’s methods, and advanced ensemble work. Units of study may include performance styles, ensemble work, and individual performances.

## Acting & Directing 2

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *Successful completion of Acting & Directing 1*

This advanced course will allow students to study concepts and professional acting techniques. Emphasis will be on auditioning, performance techniques, advanced script and character analysis, theatrical movement and styles, exploration of master teacher’s methods, and advanced ensemble work. Units of study may include performance styles, ensemble work, and individual performances. Students will create a pre-professional acting multimedia portfolio. They will also prepare and perform a competitive reader’s theatre production.

## Advanced Theatre

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Successful completion of Acting & Directing 1 & 2 or Technical Theatre 1 & 2*

This course is a year-long, repeatable course, offered as an advanced elective to students who demonstrate the skills and attitude necessary to succeed in a demanding theatrical course. Students will apply knowledge acquired from previous theatrical experiences to produce, create, and perform live theatrical productions. Emphasis will be placed on developing and executing a unified production concept as well as implementing a responsible fiscal budget for the production. This course will focus

on creation, development, and performance of a production using both improvised and prepared scripts. Auditions/Interviews will be held based upon available technical and acting openings in the production ensemble. **Note: Required participation in a public performance is included in the student's grade. Students will be expected to attend and critique one live theatrical performance per semester.**

## Technical Theatre 1

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

Students will explore the basic elements of theatrical design and technology. Units of study will include: theatrical safety, technical terminology, basic scene painting, elements of lighting and sound, and elements of costuming.

## Technical Theatre 2

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Technical Theatre 1*

This course is designed for those students interested in a more in-depth study of theatrical design. Units of study will include theatrical safety, introduction to historical styles, basic drafting, use of stage materials, color and texture, and the usage of appropriate hardware and software for all aspects of theatrical design.

## Stagecraft

**Grade Level:** 11-12 (*10th with teacher approval*)

**Length:** Year

**Prerequisite:** *"C" or higher in Theatre Arts 1 or Technical Theatre 1, or "B" or higher in Wood Tech 1*

This is a year-long, repeatable course, offered to students in grades 11-12. This course will satisfy the fine arts graduation requirement and is open to all students regardless of previous experience or ability level. This course emphasizes the design and implementation of technical aspects of theatrical productions. Students will participate in the analysis, design, production, and critique of all aspects of the theater process. Theater safety, history of theater technology, collaboration, problem-solving, and advanced usage of appropriate hardware and software are fundamental aspects of the course. Students are required to learn and properly utilize various construction tools and technical equipment.

## PERSONAL FINANCE

### Personal Finance

**Grade Level:** 11

**Length:** Semester

**Prerequisite:** None

This course is designed to give the student a better understanding of how money and financial institutions work. The class will pay particular attention to the role of common financial decisions, and the effects those decisions have on a person's quality of life. The class will focus on careers and income, money management, spending and credit, saving and investing, as well as insurance. **Note: This course is a requirement for graduation. Dual Credit: This course offers the possibility of earning (3) college credits through Missouri State University. Students must meet the enrollment criteria established by Missouri State. A fee is required by Missouri State for earning college credit.**

## PRACTICAL ARTS

The Practical Arts Department of Warrenton High School gives individuals an opportunity to develop leadership, personal and professional skills based on their abilities and interests. The courses are designed to help the students develop values, concepts, and skills for daily living, now and in the future. Students will explore career information and have the opportunity to develop entry-level skills necessary for a high wage job or entrance to postsecondary training.

### Business Education

Future Business Leaders of America (FBLA) is a nationwide association of business students, and is a vital co-curricular component of the business program. FBLA provides a program of activities and conferences to help students develop leadership, decision-making, and communication skills. All business students are encouraged to join. Dues are required to join FBLA. Several courses that are offered in the Business department are part of an articulation agreement with St. Charles Community College. To learn more about this agreement and what is required, go to <https://www.stchas.edu/docs/pdfs/high-school-articulation-agreements/Warrenton.pdf>

### Computer Applications 1

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

This course is designed to help students develop basic to intermediate computer skills in a variety of areas that will be directly applicable to high school and college classes plus the business world. Microsoft Office applications will be used to teach word processing, spreadsheet, presentation skills, and internet usage. In addition, students will increase their proficiency on the keyboard through skill building. **Note:** [Articulation agreement with St. Charles Community College for the completion of Computer Applications 1 AND Computer Applications 2. Participation in the co-curricular organization FBLA is highly recommended.](#)

### Computer Applications 2

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Computer Applications 1*

This course is designed to help students learn advanced instruction on Microsoft Office applications; Word (word processing), Excel (spreadsheet), PowerPoint (graphic presentation), Access (data management), Desktop Publishing and learn to integrate these programs. Using designs shared by the applications, students can quickly organize professional-looking documents and presentations. The essential skills learned in this course will prepare students for the transition from high school to college or the workforce. **Note:** [Articulation agreement with St. Charles Community College for the completion of Computer Applications 1 AND Computer Applications 2. Participation in the co-curricular organization FBLA is highly recommended.](#)

### Introduction to Computer Science

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *"C" or higher in Algebra 1*

This course will introduce you to the field of computer science and the fundamentals of computer programming. Introduction to Computer Science is specifically designed for students with no prior programming experience. Students will work in teams to create simple Apps using MIT App Inventor. The understanding of programming in App Inventor to a third language, Python®, in which the

students will learn introductory elements of text-based programming. By the end of the course, students should have a strong understanding of the fundamentals of Computer Science and the Python® programming language. **Note: Participation in the co-curricular organization FBLA is highly recommended.**

## Introduction to Business

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

This course is designed to offer students a practical presentation of basic business principles. Students will explore the world of business and develop an understanding of our economic system in which we live and work. Areas of study include: marketing, management, finance, economics, ethics and social responsibility, career exploration and technological trends. Workplace communication and leadership skills will be emphasized throughout the class. Internet use is an integral part of this course as well as Microsoft Office Applications. **Note: [Articulation agreement with St. Charles Community College for completion of Introduction to Business AND Business Management.](#) Participation in the co-curricular organization FBLA is highly recommended.**

## Business Management

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *Successful completion of Introduction to Business*

This course is designed to introduce students to various business concepts. Content will include the importance of sound management, the evolution of management, management careers, ethical and social aspects of business as well as a look at entrepreneurship. This course will include many hands-on projects, including the creation of businesses and product. **Note: [Articulation agreement with St. Charles Community College for completion of Introduction to Business AND Business Management.](#) Participation in the co-curricular organization FBLA is highly recommended.**

## Business Law

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Introduction to Business*

This course is designed to offer an introductory view of our legal system and its laws. It examines our court systems and trial procedures as well as other aspects of legal activities which influence the operation of a business and personal life activities. Emphasis is also placed on the following topics: law and ethics, product warranties, consumer protection, employment conditions, family law, torts and product liability and contracts. **Note: Participation in the co-curricular organization FBLA is highly recommended.**

## Accounting 1

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** *Successful completion of Algebra 1*

This course gives students the opportunity to study the important role of keeping accounting records in our private enterprise economy. Basic accounting concepts and procedures are introduced and developed. The complete accounting cycle will be covered. A business simulation exercise is completed during second semester. Students planning on majoring in a business field in college are encouraged to take this class. This course will also prepare students for entry level accounting positions. **Note: [Articulation agreement with St. Charles Community College.](#) Participation in the co-curricular organization FBLA is highly recommended.**

## Accounting 2

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Accounting 1*

This course is an “independent study” program organized for the serious student who anticipates a business career. Work covered in this course will benefit the student who plans to enter college and major in business as well as the student who intends to seek employment in an office immediately after graduation. **Note: Participation in the co-curricular organization FBLA is highly recommended.**

## Web Design/HTML Code

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Computer Application 1*

This course will cover the fundamental concepts of web page design. This includes an introduction to the design, creation and maintenance of web pages and websites. Students will design and develop web pages using HTML and CSS to create and optimize images for web pages. With it, students will learn how to critically evaluate website quality; learn web design standards and why they are important. While learning advanced skills in formatting text, manipulating graphics and fonts to design professional looking documents. **Note: Participation in the co-curricular organization FBLA is highly recommended.**

## Real World Living

**Grade Level:** 12

**Length:** Semester

**Prerequisite:** None

Are you ready to be on your own? Job Search? Apartment hunting? Reading the lease? Handling your finances? Home purchases? Home and car maintenance? Stocking the Pantry? Whether going to college or just moving out of the house, this class is for you! The above questions plus more will be addressed. You will leave at the end of the semester with your personal “how-to” binder to use for future reference. Don’t miss the opportunity!

## Marketing

The Marketing Education Program at Warrenton High School is designed to prepare high school students for careers in marketing, merchandising, entrepreneurship and management. The program consists of three elements: classroom instruction, on-the-job training, and participation in the vocational youth organization DECA. Classroom instruction stresses skills in marketing, sales promotion, selling, mathematics, and merchandising. Participation in the marketing internship is optional for seniors. This training gives students the opportunity to use the marketing skills they have developed in the classroom and to determine if they are suited for careers in marketing, as well as to gain the experience for future promotions and further education in marketing related fields. Students are encouraged to join DECA as a part of the overall marketing experience. DECA is a student-run marketing association that has over 180,000 nationwide members. DECA provides opportunities to develop presentation skills, attend leadership conferences, compete in marketing events, and interact with the business world. Dues are required to join DECA. Two courses that are offered in the Marketing department are part of an articulation agreement with St. Charles Community College. To learn more about this agreement and what is required, go to

<https://www.stchas.edu/docs/pdfs/high-school-articulation-agreements/Warrenton.pdf>



## Marketing 1

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** None

This course is designed to introduce the student to the field of marketing, covering such topics as: advertising, promotions, product development, distribution, communication, human relations, and career exploration. Marketing students are strongly encouraged to join DECA, an Association of Marketing Students. This course is recommended for the college-bound student interested in marketing or business, as well as the non-college bound student interested in marketing occupations. Internet use is an integral part of this course. Senior students enrolled in Marketing I may obtain a part-time job as described in Cooperative Work Experience - Marketing. **Note:** [Articulation agreement with St. Charles Community College for the completion of Marketing 1 AND Marketing 2.](#) Participation in the co-curricular organization DECA is highly recommended (Dues required for DECA).

## Marketing 2

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Marketing 1*

**Requirement:** Participation in the co-curricular organization DECA is required (Dues required)

This course is designed to give additional attention to the topics covered in Marketing I with an emphasis on personal selling, market research, pricing and entrepreneurship. This is a project based course in which the students will have the opportunity to develop sales presentations, conduct a marketing research project as it relates to advertising, create a sales catalog using different pricing strategies and investigate the process of starting your own business. This course is recommended for college and non-college bound students. Internet use is an integral part of this course. Students enrolled in Marketing 2 may obtain a part-time job as described in Cooperative Work Experience - Marketing. **Note:** [Articulation agreement with St. Charles Community College for the completion of Marketing 1 AND Marketing 2.](#)

## Sports & Entertainment Marketing 1

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

Sports and Entertainment Marketing is a course designed to introduce the student to the basic principles of marketing and economics through two of the most exciting and competitive businesses in the world. It is a subject in which all students can relate. Sports and entertainment are everywhere-not just in the ballparks, football stadiums, and theaters, but at schools and colleges, on television and radio, in stores and on the internet. This course will not only teach students about these two industries through projects, written assignments and presentations, but it will also help them to develop skills necessary for them to succeed in their careers. Units will include: the sports market, sports products, sports promotion and pricing decisions, branding, licensing and entertainment products, promotion and marketing. Strong research and presentation skills are essential to success in this course. **Note:** Participation in the co-curricular organization DECA is highly recommended (Dues required for DECA).

## Sports & Entertainment Marketing 2

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Sports & Entertainment Marketing 1*

Sports and Entertainment Marketing 2 is a course designed to give additional attention to the topics covered in Sports and Entertainment Marketing 1, with an emphasis on popular culture, sports as a



TV spectacle and big business, and globalized sport. Students will explore units related to distribution, promotional plans, the sports sales process, agents and contracts, and legal issues within sports and entertainment. Sports and entertainment has deeply impacted the 20th Century and students will explore the role of each in society. **Note: Participation in the co-curricular organization DECA is highly recommended (Dues required for DECA).**

### Retail & Hospitality Marketing

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

This course is designed around two different industries, retailing and hospitality. It will include exposure to a variety of retail businesses, basic marketing strategies, operations of a store, as well as exploring careers in retail and hospitality. Consumers spend millions of dollars each year on travel and tourism and in restaurants and hotels. Students will focus on customer service, pricing, visual merchandising, and how these are applied to retail and hospitality settings. **Note: Participation in the co-curricular organization DECA is highly recommended (Dues required for DECA).**

### Entrepreneurship/Junior Achievement

**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** None

The primary goal for this course is to introduce students to our nation's free enterprise system and to the study of economics. The students will operate a student company (or corporation) in which they will decide what item to sell, how much to sell it for, how to market the item, and how much profit (or loss) was made. All textbook materials are provided by Junior Achievement.

### Marketing Lab

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Application & interview process required*

**Requirement:** Participation in the co-curricular organization DECA is required (Dues required)

This course is designed for students to take the skills learned in the marketing education program and apply them in a real work experience by operating the DECA School Store. Student selection will be based on an application and interview process, teacher recommendation, and enrollment in the marketing education program. Students will develop and enhance their personal skills necessary for success on the job. This personal experience will provide an understanding of how businesses operate on a day-to-day basis. Student activities will promote problem solving and decision making in the areas of cash handling, record keeping, promotion, marketing concept, inventory control, and customer relations. Student evaluation will be determined by on the job responsibilities and participation.

### Cooperative Work Experience - Marketing

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Enrollment in Marketing 1 or 2 (Marketing 2 students take first priority)*

Do you have a job? Receive high school credit for going to work. Students will receive on-the-job training in a marketing/sales area of their choice. Marketing jobs provide educational opportunities beyond the school environment by working on an approved job site during the afternoon or evening. One unit of credit is earned for working 10 to 19 hours each week. Two units of credit are earned for working 20 or more hours each week. The amount of credit may be different each semester. This instructional program is planned, supervised, and evaluated by both the teacher-coordinator and

employer. Students will have the option to participate in a job shadowing or professional mentorship in partnership with Career Explorations Alliance. **Note: Seniors who wish to participate in Cooperative Work Experience - Marketing must be in a marketing class.**

## Family and Consumer Sciences (FACS)

The Family and Consumer Sciences program at Warrenton High School is designed to prepare students for adult roles, family responsibilities, and careers related to family and consumer science content. Students can prepare for a variety of careers such as nutrition, interior design, hospitality, fashion, food preparation and culinary arts, consumer services, education and family, and children services. Students are encouraged to join FCCLA (Family, Career and Community Leaders of America) as a part of their high school experience. FCCLA is a student-led organization with over 225,000 members nationwide. The mission of FCCLA is to promote personal growth and leadership development through family and consumer sciences education. Focusing on the multiple roles of family member, wage earner and community leader, members develop skills for life through character development, creative and critical thinking, interpersonal communication, practical knowledge, and vocational preparation. Annual dues are required to join FCCLA.

### General Foods

Course Fee: \$25

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

General Foods is an introductory course that explores food choices and preparation. Nutrition and its relationship to health and wellness are an integral part of this course, as well as smart shopping and meal planning. This class emphasizes basic food preparation skills, safety and sanitation in food preparation, and the practical application of recipe skills to prepare food in a lab setting. This course is a prerequisite for all of the food courses in the Family and Consumer Science department curriculum.

### World Foods

Course Fee: \$25

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of General Foods*

World Foods is a course designed for students interested in advanced food preparation and the exploration of foods from other cultures. Emphasis is placed on food preparation techniques, exploration of foreign foods and the significance of food as it relates to various cultures.

### Culinary Arts I

Course Fee: \$25

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *Successful completion of General Foods*

Introduction to Culinary Arts is an intermediate course that focuses on food safety, sanitation, food selection, and basic food preparation principles. Students will earn their food handlers certificate within the first few weeks of this class. Students will also research careers available in food service. Students will review recipe skills and learn new cooking terms, techniques, methods and cooking equipment. Food presentation will be introduced in this class.

### Culinary Arts II

Course Fee: \$25

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Successful completion of Culinary Arts I*

Culinary Arts II is a course designed for the student who is interested in advancing their food preparation techniques to a higher level and who may be considering a career in the food industry. Students must have their food handlers certificate to be enrolled in this class. Students will become skilled in the use of all types of kitchen equipment, learn complex food preparation skills and plate presentation techniques.

## Interpersonal Relationships

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

This course will prepare students for future adult roles as well as provide them with information they can apply to their current stage in life. It is designed to improve self-appreciation, personal development, communication, and coping skills to help better understand self and others. Topics of discussion and research will include effective communication and decision making skills, how to develop and maintain interpersonal relationships, conflict resolution techniques, strategies to balance the multiple roles and responsibilities in everyday life, how to create and maintain stable families, and effective parenting skills. The information acquired in this class can enhance present and future personal relationships.

## Child Development 1

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

This course is designed to provide the student with an opportunity to develop skills to prepare them for parenting. Units of study include the theories and importance of child development, human reproduction, prenatal development, budgeting for baby, pregnancy and birth, birth defects, health and safety, feeding, selection of childcare, growth and the physical, emotional, social and intellectual development during the first year.

## Child Development 2

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Child Development 1*

Parenting is the one job many people enter into without training. This class will extend the student's knowledge of play and toy selection, guidance and discipline techniques, neglect and abuse, appropriate foods, child safety, physical, emotional, social and intellectual development. Students will also be involved in planning activities for children ages 3-6.

## Fashion & Interior Design Fundamentals Course Fee: \$15

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

This course is designed for students interested in a career in fashion, textiles, or interior design. Students will cover the basics of the physical, psychological, social, and cultural reasons for how we dress and where we live, the elements and principles of design, textiles, fabric construction and selection for apparel and home use, and introductory sewing skills that can be applied to apparel or home goods projects. Self-initiative, motivation, time management, planning, independent work, following directions, and evaluating are crucial skills in this course where art, communication, mathematics, science, and technology are applied.

## **Fashion Design & Construction    Course Fee: \$20**

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Fashion & Interior Design Fundamentals*

This course develops a more advanced knowledge and application of sewing skills. It is designed for students interested in careers in fashion, accessory design, costume design, interior design, and more. This course utilizes more advanced garment construction techniques, basic pattern making/draping, and an expansion of applied textiles knowledge. Several garments and skills examples will be constructed during the semester. Successful completion of this class provides students with an understanding of textile application and construction with an emphasis on quality. Self-initiative, motivation, time management, planning, independent work, following directions, and evaluating are crucial skills in this course where art, communication, mathematics, science, and technology are applied.

## **Housing & Interior Design    Course Fee: \$20**

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of Fashion and Interior Design Fundamentals*

This course is designed to prepare students to understand their own housing needs and to make wise decisions about their own homes, both now and in the future. Units of study include: the history of housing, architectural styles, how to select, buy and finance a home, design elements, design principles, furniture styles and selection, window treatments and the use of accessories in the home. Students will learn to identify the changing housing needs of the family, what to consider in choosing a home site, floor plans and furnishings. Students will use the basic principles in the completion of a design project in which they will utilize CAD software.

## **Fashion Merchandising    Course Fee:\$20**

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *Successful completion of Fashion and Interior Design Fundamentals*

This course is designed for students with the knowledge of various creative and business functions of the fashion and home food industries. Students learn the dynamics of the industry including trending, textiles, designers, the design process, production, promotion, and visual merchandising. Students will develop a collection of apparel or home goods by utilizing croquis sketching and/or apparel/home good construction techniques, basic pattern making/draping, and an expansion of applied textiles knowledge. Self-initiative, motivation, time management, planning, independent work, following directions, and evaluating are crucial skills in this course where art, communication, mathematics, science, and technology are applied.

## **Industrial Technology (IT)**

The objectives of industrial technology education are as follows:

- Develop an insight and understanding of tools, machines, materials, and processes as they relate to production and servicing aspects of design and industry.
- Develop attitudes, aptitudes, and interests relative to the applied science and technology.
- Develop basic skills in the safe and proper use of industrial materials, machines, tools, and processes.
- Develop problem-solving and creative abilities pertaining to the materials, tools, machines, processes, and products of industry.
- Develop an understanding and appreciation of various industrial and technical career

opportunities and their requirements and develop the traits that will help the students to obtain and maintain employment.

Safety is an important aspect of all practical arts courses, including industrial arts. State law (9170.005 AND 170.007) requires all teachers, pupils, and visitors to wear approved eye protective devices whenever they observe or participate in certain vocational, industrial arts, and chemical-physical laboratory courses or instruction. Students who refuse to comply with this regulation may be subject to suspension.

### **Exploring IT/Home Maintenance      Course Fee: \$45**

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** None

This course is a year long course which will give students a range of practical experiences with many tools, machines, materials, and processes. Students will learn the basics of home maintenance including how to hang and finish/patch drywall and the basics of electricity and plumbing. Units of study include: Tool Safety, Drafting, Plastics, Metals, Woodworking and basic home maintenance. The focus of this course will be to produce small projects from a variety of materials in a safe and productive manner.

### **Construction Trades      Course Fee: \$45**

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Exploring IT, Agriculture Science 1, or Wood Technology 1*

This course is a beginning course in the various building trades. In this course students will get entry level experience in several different construction trades including carpentry, plumbing, electrical, drywall finishing, roofing and blueprint reading. The importance of planning and blueprint interpretation along with safe work habits and practices are stressed by concise directions in operational procedures. Various projects will be completed using construction materials for students to take home as well as projects for school use.

### **Wood Technology 1      Course Fee: \$45**

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** None

The major emphasis of this course is placed on the fundamental skills, terminology and technology of the woodworking and wood technology field, along with basic problem solving activities. This is an excellent course for the student interested in design and construction. Half of the course will be textual and the other half is hands-on. A working knowledge of wood and related materials along with mastery of power equipment will be required. The student will pass a safety test with an accuracy rate of 90% and build a major project from a list provided by the instructor. A weekly quiz will be given and a notebook is required.

### **Wood Technology 2      Course Fee: \$45**

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Successful completion of Wood Technology 1*

This is a specialized course utilizing fundamental and advanced principles, terminology, and skills, while focusing on designing and processing of wood as a material and related products. Students will explore modern processes and technologies as they relate to the wood industry. Students will be expected to utilize advanced construction and machine tool processes. During the first semester, students will construct a major project using advanced skills and processes. Second semester

students will independently design, draft, and construct an advanced woods project applying previously learned skills and techniques. Students are responsible for acquiring required project materials.

### Wood Technology 3

Course Fee: \$45

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Successful completion of Wood Technology 2*

The emphasis of this course is using applied Geometry and other related math skills and concepts to create an advanced woodworking project. The primary focus of this class will be for students to design and build a chair through the creation of a set of detailed drawings. Custom furniture makers design and build a wide variety of furnishings. The work requires a thorough knowledge of furniture construction, including proficiency in the use of hand tools and power equipment and an understanding of processes and procedures used for each furniture type.

### Agriculture Science

Students who take Agriculture Science 1 and Agriculture Science 2, and take one additional qualifying Agriculture science based class will earn the 3rd science credit towards meeting graduation requirements. *All agriculture education course fees for the 2023-2024 school year will be paid for courtesy of the Warrenton FFA Alumni.*

### Agriculture Science 1 - Animal Science

**Grade Level:** 9-10

**Length:** Year

**Prerequisite:** None (*FFA membership is encouraged*)

Students participating in Ag Science 1 will experience hands-on activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Course units will include but are not limited to: Agriculture, FFA and SAE, Communication Methods, Science Processes, Natural Resources, Plants and Animals, and Agricultural Mechanics.

### Ag Science 2 - Soil & Plant Science Course Fee: \$40

*The Warrenton FFA Alumni will be covering this course fee for all students enrolled in Ag Science 2 for the 2023-2024 school year.*

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of Ag Science 1 (FFA membership is encouraged)*

Students enrolled in Agricultural Science 2 will focus on why soil is important, how soils are formed, the importance of soil color, texture and soil structure, the description of a soil profile, soil chemistry, soil fertility, taking soil samples for analysis and interpreting the results. Students will identify ways to conserve and manage soil. Students will also learn about the form and functions of plants systems. Plant anatomy and physiology, classification, and the fundamentals of production and harvesting will also be discussed. Course units will include but not limited to: Plants Growing Environment, Reproduction, Pest and Disease Management, and Crop Production and Marketing.

## Metals Manufacturing

Course Fee: \$45

*The Warrenton FFA Alumni will be covering this course fee for all students enrolled in Metals Manufacturing for the 2023-2024 school year.*

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** Successful completion of Exploring IT, Agriculture Science 1, or Wood Technology 1

This course is a year-long course designed to provide students an introduction to metalworking through the use of tools, machines, and materials that are basic to metalworking and welding. The course includes informational topics, general career information, planning and designing, safety, welding (Arc, Mig and Tig), cutting (Oxy-Acetylene and Plasma), basic shop power tool operation and fabrication. Activities include designing and building a metal project. Students will work on group metal projects as well as have the opportunity to build a project of their own depending on skill level, time and project cost.

## Food Science & Technology

Course Fee: \$20

*The Warrenton FFA Alumni will be covering this course fee for all students enrolled in Food Science & Technology for the 2023-2024 school year.*

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None (FFA membership is encouraged)

The course provides an orientation to the food science and food service industries with lab experiments and practical problems. Competencies are based on food safety and sanitation, food selection, food preservation, biochemistry of foods, biotechnology in the food industry, food manufacturing processes, and consumer health. The \$20 lab fee is used to purchase food items for in class experiments and activities.

## Advanced Animal Science - Weighted

**Grade Level:** (10)11-12 *10th with additional requirements (see note)*

**Length:** Year

**Prerequisite:** None (FFA membership is encouraged)

Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, specific species study, and biotechnology may be included in this course. **Dual Credit:** *This course offers the possibility of earning college credits through Missouri State University. Students must meet the enrollment criteria established by MSU. A fee is required by MSU for earning college credit. **Note:** Sophomores may take this course if concurrently enrolled in Ag Science 2 or with teacher approval.*

## Ag Business Leadership & Communication - Weighted

**Grade Level:** (10)11-12 *10th with additional requirements (see note)*

**Length:** Year

**Prerequisite:** None (FFA membership is encouraged)

**Embedded Credit:** *Students can earn 1.0 credit of Language Arts 4 with successful completion of this course.*

This course will develop students' leadership and communication abilities. Students will research, compose, and deliver FFA related speeches, research, compose, and critique written works, and develop effective public displays promoting the National FFA organization. Parliamentary Procedure, record keeping and interviewing strategies will also be emphasized. This course will teach students sales and marketing strategies. Units that may be covered include: Agriculture as an industry, economic principles in agribusiness, financial management, personal development, communication skills, preparing for a sale, making a sale, promotional tools, and entrepreneurship. Students will also develop a sales presentation for an agriculture related product. Students may be



required to fill out a proficiency award and/or State Degree as well. SAE projects, record books and other FFA related activities may be covered in this class as well. **Dual Credit: This course offers the possibility of earning college credits through Missouri State University. Students must meet the enrollment criteria established by MSU. A fee is required by MSU for earning college credit.** **Note: Sophomores may take this course if concurrently enrolled in Ag Science 2 or with teacher approval.**

## Greenhouse Management

**Grade Level:** (10)11-12 10th with additional requirements (see note)

**Length:** Year

**Prerequisite:** None (FFA membership is encouraged)

This class is devoted to the greenhouse industry. Topics include the culture of greenhouse plants including media, fertilizers, watering, plant biology, containers, plant propagation, transplanting, marketing, economics, and related subjects. A strong science background is important. Lessons include cell structure, chemistry, biology, economics, and other topics related to the growing of plants and their care. **Note: Sophomores may take this course if concurrently enrolled in Ag Science 2 or with teacher approval.**

## Floriculture

**Course Fee:** \$40

*The Warrenton FFA Alumni will be covering this course fee for all students enrolled in Floriculture for the 2023-2024 school year.*

**Grade Level:** (10)11-12 10th with additional requirements (see note)

**Length:** Year

**Prerequisite:** None (FFA membership is encouraged)

**Embedded Credit:** Students can earn 1.0 Fine Art credit with successful completion of this course.

Students will learn about the floriculture industry, plant identification, basic principles and mechanics of floral design, and construct various types of designs that the student gets to take home or some may be sold to illustrate floral shop operations. **Note: Sophomores may take this course if concurrently enrolled in Ag Science 2 or with teacher approval.**

## Conservation of Natural Resources - Fish & Wildlife

**Grade Level:** (10)11-12 10th with additional requirements (see note)

**Length:** Year

**Prerequisite:** None (FFA membership is encouraged)

This course will provide students with ecological principles, habitat management (forest, cropland, grassland, wetland, pond, and stream management), animal life histories, fish and wildlife values, outdoor ethics, conservation careers, agency assistance, fish and wildlife protection, and history of Missouri Conservation Commission. A foundation for aquaculture production will be laid along with water management techniques, facilities set-up, and marketing of aquaculture products. Students will have the opportunity to earn their hunter safety certificate in this course. **Note: Sophomores may take this course if concurrently enrolled in Ag Science 2 or with teacher approval.**

## Agriculture Construction 1

**Course Fee:** \$40

*The Warrenton FFA Alumni will be covering this course fee for all students enrolled in Agriculture Construction 1 for the 2023-2024 school year.*

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** Successful completion of Ag Science 1 & 2 (FFA membership is encouraged)

This is an instructional welding course. This course deals with the introduction to welding, oxyacetylene welding/cutting, shielded metal arc welding, gas metal arc welding, and construction of a small project.

## Agriculture Construction 2

Course Fee: \$40

*The Warrenton FFA Alumni will be covering this course fee for all students enrolled in Agriculture Construction 2 for the 2023-2024 school year.*

**Grade Level:** 12

**Length:** Year

**Prerequisite:** Successful completion of Ag Construction 1 (FFA membership is encouraged)

This course allows students to further their welding and machine skills through the construction of a large agricultural project. Students must design, plan, and complete a metal or combination wood and metal project, of sufficient quality to qualify for competition at the local county fair. This project must be approved by the instructor prior to enrollment in the course.

### PROJECT LEAD THE WAY (PLTW)

#### PLTW: Biomedical Science Program

The rigorous and relevant four-course PLTW Biomedical Science sequence allows students to investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Students engage in activities like investigating the death of a fictional person to learn content in the context of real-world cases. They examine the structures and interactions of human body systems and explore the prevention, diagnosis, and treatment of disease, all while working collaboratively to understand and design solutions to the most pressing health challenges of today and the future. **Note: Students who are in PLTW classes are required to be in an additional science class and a math class. Dual Credit: PLTW: Biomedical courses offer the possibility of earning college credits through Missouri University of Science & Technology. Students must meet the enrollment criteria established by MST. A fee is required by MST for earning college credit. College credit requires a "B" or higher in both semesters of the course. In addition, students must score a 6 or better on the national PLTW EOC exam.**

#### PLTW: Principles of Biomedical Science (PBS) - Weighted



**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** None

Welcome to Principles of Biomedical Science! This course will help prepare you for a career in medicine or health care and will challenge you to solve real-world problems. You will practice how to think creatively and critically to innovate in science and gain practical experience tackling challenges that biomedical professionals face in the field. You will work through real-world situations, cases, and problems, such as solving a medical mystery case, diagnosing and treating a patient, and responding to a medical outbreak. Students taking this course should be aware that this is a student led course. You need to enjoy reading on your own and following step by step written instructions. Being self motivated is critical for success in this course! **Note: Students taking PBS must be enrolled in an additional Science course and a Math course. PLTW: Biomedical classes will count as elective credits towards meeting graduation requirements. Dual Credit: PLTW: Biomedical courses offer the possibility of earning college credits through Missouri University of Science & Technology. Students must meet the enrollment criteria established by MST. A fee is required by MST for earning college credit. College credit requires a "B" or higher in both semesters of the course. In addition, students must score a 6 or better on the national PLTW EOC exam.**

## PLTW: Human Body Systems (HBS) - Weighted



**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** None (*HBS can be taken before or concurrently with PBS*)

Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as “parts of a whole,” working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students work through interesting real world cases and play the role of biomedical professionals to solve medical mysteries. **Note: Students taking HBS must be enrolled in an additional Science course and a Math course. PLTW: Biomedical classes will count as elective credits towards meeting graduation requirements. Dual Credit: PLTW: Biomedical courses offer the possibility of earning college credits through Missouri University of Science & Technology. Students must meet the enrollment criteria established by MST. A fee is required by MST for earning college credit. College credit requires a “B” or higher in both semesters of the course. In addition, students must score a 6 or better on the national PLTW EOC exam.**

## PLTW: Medical Interventions (MI) - Weighted



**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Successful completion of PBS or HBS*

Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. These scenarios expose students to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions are showcased across generations of a family and provide a look at the past, present and future of biomedical sciences. Lifestyle choices and preventive measures are emphasized throughout the course as are the important roles scientific thinking and engineering design play in the development of interventions of the future. **Note: Students taking MI must be enrolled in an additional Science course and a Math course. PLTW: Biomedical classes will count as elective credits towards meeting graduation requirements.**

## PLTW: Engineering

**Dual Credit: PLTW: Engineering courses offer the possibility of earning college credits through Missouri University of Science & Technology. Students must meet the enrollment criteria established by MST. A fee is required by MST for earning college credit. Students can receive 3 credit hours of college credit for PLTW courses through the Missouri University of Science and Technology. Students are required to complete 2 PLTW: Engineering classes and need a “B” or higher in both semesters of both course(s). In addition, students must score a 6 or better on the national PLTW EOC exam for each course.**

## PLTW: Introduction to Engineering Design - Weighted

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** “C” or higher in Algebra 1

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. Students are required to also be in a math and science class. **Note:** PLTW: Engineering classes will count as a Practical Art credit towards meeting graduation requirements. **Dual Credit:** PLTW: Engineering courses offer the possibility of earning college credits through Missouri University of Science & Technology. Students must meet the enrollment criteria established by MST. A fee is required by MST for earning college credit. Students can receive 3 credit hours of college credit for PLTW courses through the Missouri University of Science and Technology. Students are required to complete 2 PLTW: Engineering classes and need a “B” or higher in both semesters of both course(s). In addition, students must score a 6 or better on the national PLTW EOC exam for each course.

## PLTW: Principle of Engineering - Weighted

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** Successful completion of IED

**Recommendation:** PLTW recommends a C- or higher in IED

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. **Note:** PLTW: Engineering classes will count as a Practical Art credit towards meeting graduation requirements. **Dual Credit:** PLTW: Engineering courses offer the possibility of earning college credits through Missouri University of Science & Technology. Students must meet the enrollment criteria established by MST. A fee is required by MST for earning college credit. Students can receive 3 credit hours of college credit for PLTW courses through the Missouri University of Science and Technology. Students are required to complete 2 PLTW: Engineering classes and need a “B” or higher in both semesters of both course(s). In addition, students must score a 6 or better on the national PLTW EOC exam for each course.

## PLTW: Civil Engineering & Architecture - Weighted

**This course WILL NOT be offered in 2023-2024**

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** Successful completion of POE

**Recommendation:** PLTW recommends a C- or higher in IED

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. **Note:** PLTW: Engineering classes will count as a Practical Art credit towards meeting graduation requirements. **Dual Credit:** PLTW: Engineering courses offer the possibility of earning college credits through Missouri University of Science & Technology. Students must meet the enrollment criteria established by MST. A fee is required by MST for earning college credit. Students can receive 3 credit hours of college credit for PLTW courses through the Missouri University of Science and Technology. Students are required to complete 2 PLTW: Engineering classes and need a “B” or higher in both semesters of both course(s). In addition, students must score a 6 or better on the national PLTW EOC exam for each course.

## PHYSICAL EDUCATION & HEALTH

In a world in which our youth and adults are becoming more sedentary, it is important to exercise the mind and body through a wellness approach. The Health and Physical Education Department at Warrenton High School offers courses that are designed to show the importance of being involved in physical activity and how fitness can be a key to longevity and good health. Classroom time and activities will help students to look and feel good about themselves. **STUDENTS IN PHYSICAL EDUCATION CLASSES ARE REQUIRED TO DRESS OUT AND PARTICIPATE EVERY DAY.**

### Personal Fitness

**Grade Level:** 9

**Length:** Semester

**Prerequisite:** None

This course emphasizes the importance of being involved in physical activity and how fitness can be a key to longevity and good health. This course also includes sports instruction and skill development, tournament play, and game strategies. Students will take the President's Fitness Challenge in this course. **Note: This class is a requirement for high school graduation.**

### Health

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** None

Exercise your mind and body through a wellness approach. Start now to find out how to take care of your body before it is too late. Emphasis is placed on body systems, eating choices, weight management, fitness, and other contemporary health-related issues. This course provides an exposure to a variety of health topics for the purpose of developing a good health attitude and practices. The topics covered are: mental health, personal care, nutrition, communicable and noncommunicable diseases, alcohol and substance abuse, activity and how fitness can be a key to first-aid, CPR skills, environmental hazards, human sexuality, AIDS, safety education, and decision making skills. **Note: This class is a requirement for high school graduation. All students must receive thirty minutes of cardiopulmonary resuscitation (CPR) instruction and training in the proper performance of the Heimlich maneuver or other first aid for choking prior to graduation.**

### Fitness Walking

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** Successful completion of at least one semester of Personal Fitness

This class involves outdoor walking that will exercise the body and mind. Aerobic walking, fitness walking programs, exercise principles, health and nutrition concepts will also be addressed in this course. Students are expected to walk at a brisk pace for 35 minutes in this class. Please note the cold weather guide below that will be followed for Fitness Walking.

- If the temperature/wind chill is under 20 degrees, all activities must be held indoors.
- If the temperature/windchill is 20-31 degrees, outdoor activity is limited to 20 minutes.
- If the temperature is 32 degrees or above, activities can be held outdoors without restrictions.

### Team Sports

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** Successful completion of at least one semester of Personal Fitness with a "C" or higher

This course is designed to develop and improve the fundamental skills of many team sports. Special attention will be on team play and strategies. The following team sports MAY be included in this



course: softball, soccer, handball, ultimate frisbee, volleyball, basketball, football, hockey, and other cooperative games.

## Lifetime Sports

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** *Successful completion of at least one semester of Personal Fitness with a “C” or higher*

Students will participate in a variety of sports, games, and activities that they can participate in for health and enjoyment for the rest of their lives. Sports and activities covered in this class MAY include: golf, badminton, volleyball, washers, shuffleboard, softball, lawn golf, frisbee games, and card games.

## Body Conditioning

**Grade Level:** 9-12

**Length:** Semester

**Prerequisite:** *Successful completion of at least one semester of Personal Fitness with a “C” or higher. Students taking Body Conditioning for the full year or as a repeat elective must successfully earn a “C” or higher in the prior semesters.*

The purpose of this course is to introduce and promote strength through proper techniques of lifting and weight training. This course will cover techniques in basic lifts to more advanced lifts in a prescribed workout each day. Special emphasis will be placed on quickness and agility exercises. Recommended for individuals looking to enhance their strength and/or athletic performance. Students are required to dress out for this course.

## ADDITIONAL ELECTIVE COURSES

### Computer Repair & Information Technology

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Student application, teacher recommendation, and approval signature of 1:1 technician/instructor.*

This year-long course is designed to involve students in the support of the high school's 1:1 Chromebook program. Students will come to know the inner and outer workings of a Chromebook as they inspect, repair, and assemble student devices that have been submitted through the help desk. An emphasis will be placed on customer service skills as students interact and communicate with staff and students in order to assess and test the overall performance of student devices. Students will work with a variety of software and applications as they track inventory and complete work orders. Real-life skills will prepare students for a career in the field of information technology. Space is limited: designed for 1-2 students max/year.

### ACT Prep

**Grade Level:** 10-12

**Length:** Semester

**Prerequisite:** None

This course is designed to help students prepare for the ACT, which is a college admissions exam. Students will receive intensive study in the areas of Math, Science, Reading and English. Study tips and test taking skills will also be covered. Students will take several full practice ACT tests and receive individual practice for their lowest subsection. The goal is for students to feel better prepared for the exam and its format.

## Library Aide (NO CREDIT)

**Grade Level:** 12

**Length:** Semester

**Prerequisite:** *Student application & approval from Librarian*

**Note:** Only one student per hour offered

Library aide exists for those students who have a genuine interest in the library: books and technology being the major staples. The aide will assist the librarian in supporting the library program and serve WHS patrons using quality customer service. Students will gain real-world job training while manning the circulation desk, navigating a computer, and interacting with individuals. Students are expected to have knowledge of library skills and the ability to locate/shelve both fiction and non-fiction materials [Dewey Decimal System, general alphabetization].

## Student Aide (NO CREDIT)

**Grade Level:** 12

**Length:** Semester

**Prerequisite:** *Student application*

Student aide is offered to seniors only. Students will report to the library each day during their designated hour and will be available to help any staff member that requests assistance. Student aides will remain in the library and will be expected to have something to work on unless a task is requested by a staff member. Students will not receive credit for this class but are expected to be available and conduct themselves in a professional manner. Enrollment in this course is limited and selection will be based on attendance and conduct.

## A+ Tutor (NO CREDIT)

**Grade Level:** 12

**Length:** Semester

**Prerequisite:** *Student application and successful completion of Algebra 2 or higher and junior math teacher recommendation based on behavior, attendance, attitude, and math grade. Students must also be enrolled in and eligible to earn the A+ Scholarship.*

A+ tutors will be used in one of the following three math classes: Foundations of Algebra, Algebra 1, or Math Lab. The A+ tutor will be expected to assist students in the classroom with their math assignments in order to earn their A+ tutoring hours.

## Social Skills

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Teacher recommendation*

The Social Skills class is a program that trains general education students in the areas of Leadership, Communication, Attitude, Relationships, and Self-confidence and utilizes these skills to partner with Special Education students in building Social Skills for life success. To be eligible for the program, students are nominated by teachers and selected for their leadership potential and for their ability to work with students with special needs. The course prepares General Education students for college life where leadership, self-confidence, developing new relationships, cultural competency and diversity issues are part of the college experience.

## New Directions

**Grade Level:** 10-12

**Length:** Year

**Prerequisite:** *Students will be assigned based on counselor/administrator recommendation and selection.*



The New Directions program is designed to facilitate academic and personal success of the at-risk student in the regular school setting. To accomplish this goal, the New Directions program provides academic support, personal planning, individualized attention, and real world contact for students. A student learning center approach is used to maintain daily contact with each student in the program.

### Credit Recovery (NO CREDIT)

**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** *Students will be assigned based on counselor/administrator recommendation and selection.*

A student may earn credit from successful completion of credit recovery courses. Students will be assigned courses based on the courses they have already attempted and failed. Credit recovery courses are computer-based, and students work at their own pace to complete the course work. A variety of courses in the core subject areas are available. Students should contact their counselor if they need credit recovery to enable them to graduate with their graduating class. **Note: No credit will be awarded for the class. Credit is earned by completing a credit recovery course.**

### FOUR RIVERS CAREER CENTER (VOTECH)

Warrenton High School students have access to programs offered at the Four Rivers Area Career Center in Washington, MO. These programs are available for juniors and seniors, with juniors given selection priority in the two year programs. Attendance is also limited to a specific amount per program each year. Students will see their WHS counselor to apply to FRCC in the fall of their sophomore year for attendance in their junior year, or in the fall of their junior year for attendance in their senior year. Students are chosen based on attendance, grades, discipline record, and teacher recommendation. Students approved for this program attend WHS for the first 3 hours of the day and spend the remaining school hours in Washington. A combined total of up to 8 credits can be earned to meet practical art or elective credit requirements. In addition to certifications, Language Art credit(s) toward high school graduation can be earned as well as Math & Science credit in some programs. **Note: College credit is available for some courses.** **STUDENTS ENROLLED IN FRCC WILL FOLLOW THE FOUR RIVERS CALENDAR. STUDENTS WILL BE REQUIRED TO ATTEND FOUR RIVERS WHENEVER FOUR RIVERS IS IN SESSION, REGARDLESS OF ANY MODIFIED DAYS. TRANSPORTATION TO AND FROM FOUR RIVERS IS PROVIDED BY SCHOOL BUS UNLESS AN APPROVED DRIVING FORM IS IN PLACE.**

### Auto Technology 1 & 2

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** None

**Note:** *Students can earn ½ credit of Language Arts 4 per year and ½ credit of Math per year*

Auto Technology is a two-year program based upon the ASE (Automotive Service Excellence) training program, covering the basics of auto diagnostics and repair. Core topics and related skills are taught which will prepare students to enter the automotive field. Personal development, work ethics, work attitudes, and leadership skills are taught through SkillsUSA. **Dual Credit: Credit may be granted by ECC toward an Associate Degree of Applied Science to students who enroll and pass (33 total college credit hours available - fee required).**

## Building Construction 1 & 2

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** *Previously completed courses in drafting, general shop, and mathematics are beneficial, but not required*

**Note:** *Students can earn ½ credit of Language Arts 4 per year and ½ credit of Math per year*

Building Construction is a two-year program where students learn construction related skills. Students are exposed to the various phases of residential and commercial construction; including carpentry, concrete, plumbing, electrical wiring, hanging and taping drywall, and painting. Instruction is split between the classroom and actual building sites. Personal development, work ethic, work attitude, and leadership skills are taught through SkillsUSA. Note: advanced standing may be granted to qualifying students through the Carpenter Joint Apprentice Committee to those enrolling in the Carpenter Apprenticeship Program. Students have the availability to earn Bobcat certification through Building Construction Technology 2 coursework. **Dual Credit:** Credit may be granted by ECC toward an Associate Degree of Applied Science to students who enroll and pass (36 total college credit hours available - fee required).

## Collision Repair 1 & 2

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** *Reading, writing, and basic math skills are necessary for success in this program.*

**Note:** *Students can earn ½ credit of Language Arts 4 per year and ½ credit of Math per year*

Collision Repair is a two-year program providing instruction in the basic entry-level skills that are an integral part of the auto body repair trade. The comprehensive ASE (Automotive Service Excellence) certified course covers basic welding, sheet metal dent repair, surface preparation, and refinishing fundamentals. Instruction is also provided in automotive design/construction, identification, and care of hand and power tools. Basic skills are reinforced with instruction added in body panel replacement, collision estimation, shop management, frame damage identification, MIG welding, and glass installation. Personal development, work ethic, work attitude, and leadership skills are taught through SkillsUSA. **Dual Credit:** Credit may be granted by ECC toward an Associate Degree of Applied Science to students who enroll and pass (12 total college credit hours available - fee required).

## Fire Science Academy

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** None

Fire Science Academy is a class designed for students interested in future careers in Emergency Management. Students will learn the skills necessary to be a first responder and will learn the tactical skills in live fire suppression and vehicle extrication. This course will provide training using fire fighting equipment, fire safety, and fire department incident command. This would also include structural search and rescue, forcible entry, ventilation, fire suppression equipment, incident scene operations, and risk reduction. Successful completion of the course, students are eligible to complete the Fire Fighter I and II certification and will also be certified in NIMS 100, 200, and 700. This class will be located at the Washington Fire Department Training Facility.

## Graphic Communications 1 & 2

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** *English, keyboarding, computer and art courses are recommended to students entering the graphics program, but not required*

**Note:** *Students can earn ½ credit of Language Arts 4 per year*

The two-year Graphic Communications program provides the training and experience necessary for employment in one of the many fields in the graphic industry. Students can broaden their knowledge and skills through exposure to a variety of training areas which include: layout design, desktop publishing (Adobe in Design, Illustrator, and Photoshop), photography, multimedia production, screen printing, and pad printing. Personal development, work ethic, work attitude, and leadership skills are taught through SkillsUSA.

### Health Science Academy (PLTW: MI & PLTW: BI)

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** *Biology, PLTW Biomed I-Principles of Biomedical Science, and PLTW Biomed II-Human Body Systems recommended*

**Note:** *Students can earn 1 credit of Language Arts 4 per year*

In semester 1, Medical Intervention, students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Biomedical Innovation (semester 2): In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health care challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology.

**Dual Credit:** *College credit available for both semesters through Missouri S&T - fee required).*

### Information Technology 1 & 2

**Grade Level:** 11 & 12

**Length:** Year

**Note:** *Students can earn ½ credit of Language Arts 4 per year*

#### **Information Technology 1:**

**Prerequisite:** *Completion of Algebra 2 or current enrollment in Algebra 2 is RECOMMENDED.*

Information Technology skills include install, repair, configure, secure, and manage computer hardware, operating systems, and software in home or corporate environments. There are the most basic and foundational skills required of all IT professionals as well as the ability to perform tasks commonly performed by IT network professionals including systems administrators, network administrators, network engineers and related careers. The core responsibilities of these job roles typically revolve around the management of hardware and software networking components and include IP configuration, setting up wireless and wired networks, managing networks, and basic network security, software updates, hardware upgrades and network protocols. Additionally, communication, listening and analysis skills are essentials for interacting with customers.

Certification(s) include: TestOut PC Pro and Network Pro, CompTIA A+ and Network+. Personal development, work ethic, work attitude, and leadership skills are taught through SkillsUSA.

**Dual Credit:** *Credit may be granted by ECC toward an Associate Degree of Applied Science to students who enroll and pass (12 total college credit hours available for IT 1 & 2 - fee required).*

#### **Information Technology 2:**

**Prerequisite:** *Information Technology 1*

Begin preparing for a networking career with this introduction to how networks operate. Perform real-world tasks using the command line interface on Cisco switching devices. Learn the skills that are often performed by IT professionals in a variety of job roles, including computer security specialists, systems engineers, and network systems administrators. Students will also get the

chance to build simple local area networks (LANs). Discover a working knowledge of IP addressing schemes, foundational network security, and be able to perform basic configurations for routers and switches as well as performing basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN. Certification(s) include:  $\frac{2}{3}$  Partial completion of Cisco Certified Network Associate CCNA. Personal development, work ethic, work attitude, and leadership skills are taught through SkillsUSA. **Dual Credit:** Credit may be granted by ECC toward an Associate Degree of Applied Science to students who enroll and pass (12 total college credit hours available for IT 1 & 2 - fee required).

## Machine Tool 1 & 2

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** *Recommended preparations include basic mathematics, mechanical drawing, computer literacy, or industrial arts, but are not required*

**Note:** *Students can earn  $\frac{1}{2}$  credit of Language Arts 4 per year and  $\frac{1}{2}$  credit of Math per year*

The Machine Tool Technology program is a one or two-year program offering basic instruction in the use of precision tools and machines. This program provides first-hand machinist training such as turning, milling, and grinding materials. Personal development, work ethic, work attitude, and leadership skills are taught through SkillsUSA. **Dual Credit:** Credit may be granted by ECC toward an Associate Degree of Applied Science to students who enroll and pass (16 total college credits available - fee required).

## Welding Technology 1 & 2

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** *Reading, writing, and basic math skills are necessary for success in this field. Students must have good hand eye coordination and manual dexterity.*

**Note:** *Students can earn  $\frac{1}{2}$  credit of Language Arts 4 per year and  $\frac{1}{2}$  credit of Math per year*

Welding technology is a two -year program that prepares students for employment in the welding and metal fabrication industries. This is a comprehensive program that provides training in various types of welding processes and positions, including plate and pipe. Materials used include steel, stainless steel, and aluminum. Blueprint reading, layout, and fit-up are integral parts of the curriculum. Personal development, work ethic, work attitude, and leadership skills are taught through SkillsUSA. **Dual Credit:** Credit may be granted by ECC toward an Associate Degree of Applied Science to students who enroll and pass (34 total college credit hours available - fee required).

## PLTW Engineering III (Fall): Computer Integrated Manufacturing

**Grade Level:** 11 & 12

**Length:** Semester

**Prerequisite:** None

**Note:** *Students can earn  $\frac{1}{4}$  credit of Language Arts 4 per semester of enrollment & completion*

This semester course is designed to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts: Computer Modeling — using a three dimensional, solid modeling software package with mass property analysis. CNC Equipment — understanding the machine tools and its operating and programming aspects. CAM Software — converting computer generated geometry into a program to drive CNC machine tools. Robotics — using a robot for materials handling and assembly operations. Flexible Manufacturing Systems — working in teams to design manufacturing work cells and table top factory simulations.

### PLTW Engineering III (Spring): Civil Engineering and Architecture

**Grade Level:** 11 & 12

**Length:** Semester

**Prerequisite:** None

**Note:** *Students can earn ¼ credit of Language Arts 4 per semester of enrollment & completion*

Students learn important aspects of building and site design and development. Students will apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software.

### PLTW Engineering IV: Engineering Design & Development

**Grade Level:** 11 & 12

**Length:** Year

**Prerequisite:** None

**Note:** *Students can earn 1 credit of Language Arts 4 for one year of enrollment & completion*

In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel.

### PLTW Computer Science IV: Cybersecurity

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Information Technology I & at least one computer science course. Successful completion of Algebra 2 or current enrollment in Algebra 2.*

**Note:** *Students can earn ½ credit of Language Arts 4 for one year of enrollment & completion*

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

### CAPS Global Business & Entrepreneurship

**Grade Level:** 12

**Length:** Year

**Prerequisite:** None

**Note:** *Students can earn 1 credit of Language Arts 4 for one full year of enrollment & completion*

Global Business and Entrepreneurship provides high school students a state of the art business center where you will learn the skillsets necessary to move an idea from light bulb to launch. You will live and learn the stages of ideation, business development, perfected pitch proposals and business implementation. CAPS works collaboratively with area business leaders to design and develop mutually beneficial learning experiences. Together, we will personalize your learning experience to prepare you for your future in high skilled and high demand careers. **Dual Credit: Credit may be granted by ECC to students who enroll and pass (15 total college credit hours available - fee required).**

## CAPS Teaching Careers

**Grade Level:** 12

**Length:** Year

**Prerequisite:** None

**Note:** *Students can earn 1 credit of Language Arts 4 for one full year of enrollment & completion*

This course is designed for students interested in teaching careers grades K-12. The program is designed to allow students true teaching experiences and opportunities for learning at various levels, while partnering with local schools to complete observation hours and assignments related to the course work. In addition to the hands-on opportunities, students will also be engaged in academic coursework that is relevant to becoming a teacher. Students will engage in topics related to child development, teaching and learning, and classroom instructional strategies. **Dual Credit:** *This course offers the possibility of earning 4 college credits through the University of Central Missouri - fee required).*

## Health Occupations or Health Science Careers

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Algebra 1 or higher is strongly recommended. Applicant school history will be reviewed to determine acceptance into this program.*

**Note:** *Students can earn 1 credit of Language Arts 4 and ½ credit of Anatomy Science for one full year of enrollment & completion*

Health Occupations is offered on the campus of Warrenton High School. School history of attendance, tardies, OSS, discipline, and work ethics will be a factor for acceptance. These items, in addition to any breach of confidentiality, can be grounds for removal from the program resulting in failure and loss of credit. Students must be committed to the first and second semester before being accepted. Costs involved with this program include: \$14 for background check (subject to change), \$20 HOSA dues, uniform costs and additional fees for associated required immunizations and incidentals. Students must have their own transportation for rotational travel. Students must have a "C" or higher in all three Health Occupations classes (A&P/medical terminology, Orientation to Health Occupations, and Fundamentals) first semester in order to continue to second semester for rotational travel. The knowledge gained through this course is the foundation for entry into higher levels in the healthcare industry upon graduating from high school. Through classroom study, laboratory training, field trips, and guest speakers, students become familiar with the theory/clinical aspects of health careers. During the second semester, students rotate through approximately 35 different clinical sites to experience first-hand what each career has to offer. Community service is an essential part of the program. **Dual Credit:** *Health Occupation students can earn 3 college credit hours by taking an online Medication Terminology class through ECC - fee required (most of the work related to the online course for college credit will be done outside of the classroom).*

## SPECIAL EDUCATION

Classes which provide special education services are provided on a case-by-case basis, as a result of an IEP team decision, to students who have been evaluated and determined to qualify for services under IDEA.

## Basic English Language Arts 1

**Grade Level:** 9

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This course emphasizes the development of writing and reading skills. The study of grammar and composition includes the writing process with an emphasis on paragraph construction, journal writing, and further development of grammar skills— including punctuation, capitalization, spelling, and vocabulary. The students will concentrate on creating, editing, and revising the different types of writing. The literature portion of this course focuses on literary terminology, a variety of genres, vocabulary in context, and written responses to text. The students will be exposed to a broad range of literature— including novels, short stories, poetry and drama—using the reading workshop concept. Students will be required to read independently. Concentration will be placed on the comprehension of text, then moving on to evaluating different texts and responding orally and in writing. Course content is subject to modification based upon individual student need. **Note: Students will enter Basic English Language Arts 2 after completion of this course.**

## Basic English Language Arts 2

**Grade Level:** 10

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This course further develops student skills in the content areas of writing and reading. Students will continue using the writing process with an emphasis on citing evidence while using grammar skills, editing, and revising. The literature portion of this course exposes students to a multitude of genres, including but not limited to short stories, plays, novels, poetry, and essays. Students will develop communication skills through such practices as the reading and writing workshop, which incorporates both independent and group reading activities, along with individual and collective responses to the subject matter. Test-taking strategies are emphasized throughout this course. Course content is subject to modification based upon individual student need. **Note: Students will take the Language Arts 2 EOC at the end of this course. Students will enter Basic English Language Arts 3 after completion of this course.**

## Basic English Language Arts 3

**Grade Level:** 11

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

Students will develop an understanding of the philosophies, historical development, and literature that shape American culture. Students will read works from a cross-section of American authors and respond to them in various forms. In addition, composition skills will be developed through prewriting, drafting, revising, proofreading, editing, and publishing. Paragraph construction, vocabulary development, and grammar will be emphasized. Course content is subject to modification based upon individual student need. **Note: Students will enter Basic English Language Arts 4 after completion of this course.**

## Basic English Language Arts 4

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This course enhances the skills students have developed in their previous Language Arts courses. Students will complete a variety of projects that will hone their research, analysis, writing, and presentation skills. Students will be expected to engage in independent activities and projects as well as collaborate with classmates in order to prepare for post-secondary demands. The course also includes the understanding of self-advocacy skills and coping strategies associated with disabilities as well as post –secondary transition learning opportunities. Course content is subject to modification based upon individual student need.



## Basic Foundations of Algebra

**Grade Level:** 9

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This course is designed to reinforce basic math concepts and address areas of need through individualized computer based assessments and/or teacher created assessments. This course will also teach Basic Foundations of Algebra concepts designed to build a firm base in basic algebraic concepts. This course will cover the properties of real numbers, manipulating and simplifying mathematical expressions, solving linear equations and inequalities, graphing linear equations and inequalities, probability, and data analysis. Course content is subject to modification based upon individual student need. **Note: Students will enter Basic Algebra 1 after completion of this course.**

## Basic Algebra 1

**Grade Level:** 10

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This course is designed to continue reinforcement of basic math concepts and address areas of need through individualized computer based assessments and/or teacher created assessments. This course will also cover the basic language, concepts, and techniques of Algebra that will prepare students to approach and solve problems following a logical succession of steps. Topics include: simplifying and evaluating expressions, writing, solving and graphing equations, ratios and proportions, factoring and quadratics. Real world applications are presented within the course content. Course content is subject to modification based upon individual student need.

**Note: Students will take the Algebra 1 EOC at the end of this course. Students will enter Basic Career Math after completion of this course.**

## Basic Career Math

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This course is designed to continue reinforcement of basic math concepts and address areas of need through individualized computer based assessments and/or teacher created assessments. This course will also cover mathematics that occur as you go through daily living and consumerism. Units covered include: statistics and probability, payroll and taxes, consumer financing and banking, transportation cost, living cost and money management. Course content is subject to modification based upon individual student need.

## Basic Physical Science

**Grade Level:** 9

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

Basic Physical Science is an introductory course to the basic concepts of physics and chemistry. Lab experiences and lectures are used to emphasize scientific concepts. Students will learn to use basic lab equipment, collect data, and write lab reports. This course serves as a basis for the study of other science courses. Students will participate in reading topics, discussion, hands-on activities, and Canvas-based activities. Short films and/or movies that are relevant to the topic(s) may be utilized for enrichment. This course placement is determined on skills that the student demonstrates. Course content is subject to modification based upon individual student need. **Note: Students will enter Basic Biology after completion of this course.**

## Basic Biology

**Grade Level:** 10

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

Basic Biology is the study of living things. This course stresses the scientific method, laboratory work, and the structure of organisms from atoms through systems, biological processes, classification, and the use of microscopes. Biology can be used as a prerequisite for college, junior college, or to help understand common ordinary biological problems. Students will participate in reading topics, discussion, hands-on activities, and Canvas-based activities. Short films and/or movies that are relevant to the topic(s) may be utilized for enrichment. Course content is subject to modification based upon individual student need. **Note: Students will take the Biology EOC at the end of this course. Students will enter Basic Earth Science after completion of this course.**

## Basic Earth Science

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

Basic Earth Science is a hands-on course that will introduce students to topics in geology, astronomy, and meteorology. This course will challenge students to think about topics critically and analytically, relying heavily on the scientific method. Students use lab equipment, collect data, and write proper lab reports. Upon completion of this course, students will have a broader and more intimate knowledge of the scientific process. Students will participate in reading topics, discussion, hands-on activities, and Canvas-based activities. Short films and/or movies that are relevant to the topic(s) may be utilized for enrichment. Course content is subject to modification based upon individual student need.

## Basic World History

**Grade Level:** 9

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This social studies class covers World History. Students work within a curriculum of chapters on topics about the earth, the general environment, and humanity. The historical component of the course includes the essential components of historical America and the global perspective. Course content is subject to modification based upon individual student need. **Note: Students will enter Basic American History after completion of this course.**

## Basic American History

**Grade Level:** 10

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This social studies class covers American History. Students work within a curriculum to supplement short chapters on topics about the earth, the general environment, and humanity. The historical component of the course includes the essential components of historical America and the global perspective. Students will enter Government at the end of this course. Course content is subject to modification based upon individual student need. **Note: Students will enter Basic Government after completion of this course. Students will also be required to pass the American Civics Exam during this course.**

## Basic Government

**Grade Level:** 11-12

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

This social studies class covers Government. Students work within a curriculum of short chapters on topics about the earth, the general environment, and humanity. The historical component of the course includes the essential components of historical America and the global perspective.

Citizenship is also an integral part of this course. Course content is subject to modification based upon individual student need. **Note: Students will take the US Government EOC at the end of this course. Students will also take and will be required to pass the US and Missouri Constitution test during this course.**

## Basic Personal Finance

**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** *Student must have an active IEP*

The course content includes goal setting for the future, managing our resources, time, consumer education, taxes, money and banking, credit, saving and investing, and insurance. Some of the activities include preparing a budget and keeping records of income and expenses, writing a check, balancing a checkbook, reconciling a bank statement, figuring unit pricing and figuring interest. Course content is subject to modification based upon individual student need.

## Basic Social Skills (Co-Taught)

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

Social Skills is a course that relies heavily on improving student reflection, self-awareness, group interactions, the importance of being a life-long learner and contributing to your community by focusing on caring about others and improving social communication and executive functioning skills.

## Essential Skills Classroom

**Grade Level:** 9-12

**Length:** Year

**Prerequisite:** *Student must have an active IEP*

- Essential Skills Math
- Essential Skills Social Studies
- Essential Skills Science
- Essential Skills English-Language Arts
- Essential Skills Functional Skills
- Essential Skills Transition Skills

These courses are designed for students with active IEP's who have been determined by the IEP team to need essential life skill instruction for post-secondary education/employment (including transition), home living and self-care skills, community/leisure activities, and academic skills.

Post-secondary education and employment focuses on skills required to pursue additional education and full or part-time employment. Home living and self-care skills address health and hygiene skills as well as skills needed for independent or assisted living. Community activities focus on accessing community resources such as transportation, libraries, and public services. Leisure addresses social and hobby skills. Academic courses focus on the basic skills of reading, writing, mathematics, and awareness of science and social studies concepts.

## Work Experience

**Grade Level:** 12

**Length:** Year

**Prerequisite:** *This class is a permission only class / eligibility must be determined by the Missouri Department of Vocational Rehabilitation*

This course is designed for students with active IEP's who have been determined eligible (or are in the process eligibility determinations) to receive services through the Missouri Department of Rehabilitation. As a part of Cooperative School-To-Work (CSW) class, students will also participate in a two-week functional vocational assessment through MERS in Washington, MO to further assist students and their families in making decisions towards transitional employment opportunities. Students will participate in a supervised on-the-job training program. Approval by Missouri Department of Rehabilitation Representative, Superintendent, Director of Special Education, Principals, Counselors, and Teacher is necessary for participation in this program.

## Resource Room

**Grade Level:** 9-12

**Length:** Year

The Resource Room will be open to all students that have an IEP or 504 and need modifications or accommodations with any subject as described within their plans.

## Co-Teaching

Classes will be offered in the areas of English Language Arts, Math, Science, Social Studies, and Health

## Credit Recovery (NO CREDIT)

**Grade Level:** 11-12

**Length:** Semester

**Prerequisite:** *Students will be assigned based on counselor/administrator recommendation and selection.*

A student may earn credit from successful completion of credit recovery courses. Students will be assigned courses based on the courses they have already attempted and failed. Credit recovery courses are computer-based, and students work at their own pace to complete the course work. A variety of courses in the core subject areas are available. Students should contact their counselor if they need credit recovery to enable them to graduate with their graduating class. **Note: No credit will be awarded for the class. Credit is earned by completing a credit recovery course.**