

**ARGYLE HIGH SCHOOL
COURSE GUIDE 2024-25**

STATEMENT OF PURPOSE

Dear Parents and Students,

Argyle School District is proud to offer an academic program that is designed to prepare all students on the path to high school graduation and beyond. This course guide was prepared by the faculty and administration of Argyle High School to assist you in selecting your courses for the 2024-25 school year. At the secondary level, students have the opportunity to choose from a full range of courses, including advanced academics, an array of career and technology programs, fine arts, and a comprehensive selection of elective courses. In middle school and high school, reviewing and selecting courses is the most important step in planning an academic program of study.

This course guide is provided to assist students and parents in making wise decisions concerning programs and course choices. Please carefully review the information in this guide prior to course selection for the upcoming year. Students are urged to discuss their course choices with their parents and to consider how certain courses meet their individual goals, graduation requirements, and expectations for college and/or career. It is extremely important that students and parents give careful consideration to selecting appropriate courses. Please understand that insufficient course enrollment may result in a particular course being removed from the master schedule, so it is important to pay attention to alternate elective choices during the course selection process.

In addition, the responsibility of choosing classes is a serious one that I hope you investigate thoroughly with consideration given to creating as many opportunities for you and for your future. A collaborative team effort between students, parents, special education, administration, and the school counselor is necessary to ensure that every student leaves Argyle School District college and career ready for any endeavor they embark on in their futures. If at any time either you or your parents/guardians have questions about progress toward graduation, you should contact the school counselor as soon as possible.

Sincerely,

Mr. Travis Erickson, PK-12 Principal

ARGYLE SCHOOL DISTRICT VISION

Argyle students graduate prepared for life's challenges and opportunities

ARGYLE SCHOOL DISTRICT MISSION

- ❖ ***To provide a safe, stimulating, and supportive learning environment to inspire students and personal growth while challenging abilities and accommodating individual learning styles;***
- ❖ ***Provide resources and learning opportunities to achieve and maintain high academic standards;***
- ❖ ***Graduate confident, well-rounded students who can realize their aspirations as creative, contributing citizens***

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Course Selection Process:

1. Study the course descriptions and select those you wish to take according to the following priorities:
 - a. Courses needed for graduation
 - b. Courses needed for career preparation
 - c. Courses relating to your interests
2. Students will select the courses they would like to take using the skyward arena scheduling.

Schedule Changes:

Students have 5 days once a semester has started to change a course. The student must also have the completed schedule change form signed by his/her parent/guardian and teachers. Requests will be considered after the first week of each semester only if the student requests in writing the rationale for being allowed to change his/her schedule. A consultation with the school counselor must also occur. Students allowed to drop a class after the 5-day period will have a W (withdrawn) entered on their transcript for that class.

Requirements for Graduation:

Students must have 27 credits to graduate. Students must carry at least seven credits per year. Students must be enrolled in at least one Math, one English, and one Science credit during each of their freshman, sophomore, and junior years. Students may have only one study hall per day unless the counselor or principal, under special circumstances, grants permission.

The following courses are required for graduation:

Subject	Semesters	Credits
English	8	4
Math (Algebra, Geometry req)	6	3
Science	6	3
Social Science (Geography Grade 9 & US Government req)	6	3
Health	1	0.5
Physical Education	3	1.5
Personal Finance	1	0.5
Careers	1	0.5
Fine Arts	2	1
Business/Tec Ed/Ag	2	1
Electives	15	9
<i>+Pass Civics Exam</i>		
<i>+Complete 20 Hours of Community Service</i>		

Class of 2025- 25 Credits

Class of 2026- 25.5 Credits

Class of 2027- 26 Credits

Class of 2028- 27 Credits

Post High School Education:

Information about vocational-technical colleges, colleges/universities, and military service can be obtained at the School Counselor's office.

Vocational-Technical Colleges

- Vocational-technical colleges require a high school diploma for admission
- A placement exam is given on-site after a student has completed an application to the college. The ACT exam may be accepted in lieu of a placement exam.
- Advanced standing is available for computer, accounting, and general math classes taken in high school.

Military Service

- Military services require a high school diploma for entry plus a score on the ASVAB test ranging from 31-40 depending on the branch.

Four-year Colleges/Universities

- Admission Requirements
 - The stronger the college preparatory courses you complete in high school, the more likely you'll succeed in college. Courses required for college admission vary among institutions.
 - All UW campuses require a minimum of 17 college preparatory credits from high school, however, some campuses require more. Minimum: 4 English, 3 Math (including Algebra 2), 3 Natural Science, Social Science, 4 Elective.
 - Always check with the college you are interested in for specific requirements.
- Foreign Language
 - This requirement also varies among post-secondary schools.
 - A minimum of 2 credits in a single foreign language may be required for admission and may help meet graduation requirements at universities.
- Entrance Exams
 - All students are required to take the ACT during the spring of their junior year, but they may schedule it any time throughout or after their junior year. Testing in the spring allows the results to be available for early application to colleges and it gives the students sufficient time to retake the test if they were not satisfied with their score.
 - The SAT may also be required by colleges or universities for entrance.

Academic & Career Planning:

The ACP Model Know-Explore-Plan-Go aligns Wisconsin ACP required components with research-based recommendations for incorporating career development throughout K12 for self-exploration, career exploration, and career planning and management.

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- KNOW- Who am I? Get to know your interests, skills, and strengths.
- EXPLORE- Where do I want to go? Explore career pathways and educational opportunities.
- PLAN- How do I get there? Set your route! Set goals, choose courses, join clubs and activities, obtain financing, fill out applications, and write resumes.
- GO- Recalculate as needed.





Agriculture, Food & Natural Resources

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products & Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural & Technical Systems

Architecture & Construction

- Construction
- Design/Pre-Construction
- Maintenance/Operations

Arts, A/V Technology & Communications

- A/V Technology & Film
- Journalism & Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts

Business Management & Administration

- Administrative Support
- Business Information Management
- General Management
- Human Resources Management
- Operations Management

Education & Training

- Administration & Administrative Support
- Professional Support Services
- Teaching/Training

Finance

- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities & Investments

Government & Public Administration

- Foreign Service
- Governance
- National Security
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation

Health Sciences

- Biotechnology Research & Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services

Hospitality & Tourism

- Lodging
- Recreation, Amusements & Attractions
- Restaurants & Food/Beverage Services
- Travel & Tourism

Human Services

- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development & Services
- Family & Community Services
- Personal Care Services

Information Technology

- Information Support & Services
- Network Systems
- Programming & Software Development
- Web & Digital Communications

Law, Public Safety, Corrections & Security

- Correction Services
- Emergency & Fire Management Services
- Law Enforcement Services
- Legal Services
- Security & Protective Services

Manufacturing

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance, Installation & Repair
- Manufacturing Production Process Dev.
- Production
- Quality Assurance

Marketing

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales

Science, Technology, Engineering & Mathematics

- Engineering & Technology
- Science & Mathematics

Transportation, Distribution & Logistics

- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental Management
- Logistics Planning & Management Services
- Sales & Service
- Transportation Operations
- Transportation Systems/Infrastructure Planning, Management & Regulation
- Warehousing & Distribution Center Operations

AGRICULTURE

INTRODUCTION TO AGRISCIENCE

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

Introduction to Agriscience starts the learning for students about the range of agricultural opportunities and is geared towards students who are not sure what their interests in agriculture are. Throughout this course, students will be introduced to many topics including FFA, careers, communication skills, soil, plants, animals, and the future of Agriculture.

INTRODUCTION TO AGRICULTURE BUSINESS

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

This course is an introduction to agriculture Business, its careers, and basic concepts for agricultural business. Areas that we will be studying are the importance of Agribusiness, Agribusiness careers, Business structures, Cooperatives, Entrepreneurship, Business planning, and business financials.

ADVANCED STUDENTS IN AGRICULTURE

Prerequisites: None

One Semester- 0.5 Grades 11-12

Advanced Students in Agriculture will be allowed to choose their own area of learning! You choose an area of agriculture that you would like to advance your knowledge on through hands-on learning. Areas of study you can choose from include: Animal Science, Natural Resources, Vet Science, Plant Science, Greenhouse, Food Science, Leadership, and Landscaping. Take this unique opportunity to choose your education and expand your knowledge in an area of your choice.

FOODS 1

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

This course allows participants to understand food safety, the dairy industry, meat science, cereal grains, the fruit/vegetable industry, and food processing. Become an informed student and learn about the scientific world of food. Students would gain a better understanding of the science that goes into the food they eat, whether it be grown or processed.

May Have Additional Class Fees

FOODS 2

Prerequisites: Foods 1

One Semester- 0.5 credit Grades 9-12

This course is a continuation of Food Science 1. Students will understand the physical properties of food; evaluate, grade, and classify processed meat, egg, poultry, fish, and dairy products; and preservation techniques of food.

May Have Additional Class Fees

Advanced Foods

Prerequisites: Foods 1 & 2

One Semester- 0.5 credit Grades 11 & 12

Advanced Foods and Nutrition builds on the skills students develop in Food Science 1 and Food Science 2. In addition to advanced techniques in nutrition and wellness, food science, and food safety and sanitation, there will be special emphasis on the preparation of main dishes and accompaniments. A study of regional and international cuisines is included. Students will plan menus, prepare complete meals, and have numerous opportunities to demonstrate their creativity. Once again, students work in a laboratory setting in cooperative groups.

May Have Additional Class Fees

ANIMAL SCIENCE

Prerequisites: None

Two Semesters- 1 credit Grades 10-12

Animal Science is designed to give students an in-depth education of production animals and the animal industry. We will be covering various species including cattle, swine, poultry, sheep, goats, and horses. Students will learn about improving genetics within a herd, selection, and general care of production animals. (This is no longer a transcribed course through SW Technical College)

AGRICULTURAL LEADERSHIP

Prerequisites: None

One Semester- 0.5 credit Grades 11-12 (Teacher discretion may be used)

This course emphasizes the importance of leadership skills and provides hands-on activities. Careers, scholarships, team building, community service, critical thinking, and conflict

resolution are just a few of the topics to be covered. Students will demonstrate leadership by planning FFA Activities, such as Food For America, safety programs, FFA Week, maintaining the Argyle FFA social media, preparing speeches and demonstrations, and completing various applications and awards. A variety of class projects make this a dynamic course for every student.

This course can be taken more than once for credit.

HORTICULTURE

Prerequisites: None

One Semester- 0.5 credit Grades 10-12

Horticulture is designed to introduce students to greenhouse management. Topics covered in this course include pest control, plant growth, propagation techniques, container-grown plants, fruits and vegetables, and landscapes. This is designed to be a hands-on course within the greenhouse and the classroom.

VET SCIENCE

Prerequisites: Animal Science

One Semester- 0.5 credit Grades 10-12

.Vet Science is designed for students who have an interest related to small and large animals, veterinarians, animal technicians, etc. This course will provide hands-on learning of skills including taking an animal's weight, vitals, exams, and history. Topics being covered include Safety and Sanitation, Terminology, Anatomy, Clinical Exams, Hospital Procedures, Nutrition, and Animals in Society.

EQUINE SCIENCE

Prerequisites: Animal Science OR Small Animal Care

One Semester- 0.5 credit Grades 9-12

Equine Science focuses on the care and management of horses. This course will discuss nutrition, health, behaviors (both past and present), anatomy, care, diseases, and overall management. Additionally, this course will cover the identification of breeds, equipment, anatomy, and more. Students will learn about handling, training methods, and facilities needed.

SMALL ANIMAL CARE

Prerequisites: None

One Semester- 0.5 credit

Grades 9-12

Small Animal Care is for students who enjoy small domestic animals that are typically found as pets. Students will explore the small animal industry and discuss small animals including dogs, cats, rabbits, smaller rodents, birds, etc. Topics being covered will include safety, feeding, training, animal rights, anatomy, reproduction, space requirements, and overall health and behaviors. Students will have hands-on learning opportunities to engage their learning.

BOTANICAL EXPLORATIONS

Prerequisites: None

One Semester- 0.5 credit

Grades 10-12

In this course, students will be examining specific topics related to Plant Systems, rather than the traditional form learned through Horticulture. Topics that would be covered include floral designing, hydroponic systems, landscaping, etc. Students in this course would get a deeper look into these topics, getting more hands-on experience, and more rounded knowledge regarding them.

BUSINESS AND INFORMATION TECHNOLOGY

PERSONAL FINANCE

Prerequisites: None

One Semester- 0.5 credit

Required Grade 11

This course focuses on learning how to responsibly and effectively manage your money for the rest of your life. It contains hands-on experiences in budgeting, savings and investments, credit, insurance, and careers.

This course is transcribed with Southwest Wisconsin Technical College.

CAREER PLANNING

Prerequisites: None

One Semester- 0.5 credit

Required Grade 10

Students will learn how to develop individual career goals, assess educational needs pertaining to career choices, practice job-seeking and maintaining skills, and study professionalism in preparation for the transition after graduation.

DESKTOP PUBLISHING

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

In this one-semester course, students will be introduced to basic design principles and how they apply to desktop publishing. Students will work with professional desktop publishing software such as Adobe Photoshop, Canva, and Microsoft Publisher to design a wide variety of projects.

MULTIMEDIA

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

This one-semester course is designed to educate students on the changing digital world. Students will learn how to create, design, and produce digital media projects such as graphic design, and audio and video production using various software programs. Students will create videos using the school cameras and video cameras to produce their design projects.

ACCOUNTING

Prerequisites: None

Two Semesters- 1.0 credit Grades 10-12

This course is designed for the student who desires to learn proper procedures for keeping accurate and organized records for both personal and business use. Any student who plans to enter the business field or own their own business should consider this course. Although accounting is business-oriented, covering such areas as payroll, income taxes, checking accounts, depreciation, and petty cash can be applicable in your everyday personal record keeping. Simulation exercises are used throughout the course to reinforce the learning process and to demonstrate application in the business office. . Accounting 1 covers sole proprietorships and partnerships operating in both the service and merchandising industries.

INTRODUCTION TO BUSINESS

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

This is a class designed to introduce the learner to the ever-evolving business environment. Topics to be covered include the current business climate, creating a business, and financing a business. Simulation exercises are used throughout the course to reinforce the learning process. Any student who plans to enter the business field should consider this course.

PUBLICATIONS

Prerequisites: None

Two Semesters- 1.0 credit Grades 11-12

Students

will create, edit, and design the elementary and MS/HS Yearbooks. Students will learn proper techniques for taking photos using the school's digital cameras. They will learn how to design yearbook pages using an online platform. Students will need to be able to commit to taking photos at various school events throughout the school year. Other school publishing projects will be designed and edited by students throughout the school year.

This course is repeatable for credit.

SPORTS ENTERTAINMENT & MARKETING

Prerequisites: Interest in Media

One Semester - 0.5 credit Grades 9-12

During this course, students will learn about the entertainment industry and the marketing principles that make it work. Students will navigate through the sports industry: college, professional, amateur, and the entertainment industry such as TV, Movies, etc. Students who have an interest or experience in making multimedia should take this course. This course will also provide opportunities for students to video, advertise, and host potential talk shows for the school district and the sports and other events we host.

WEB DESIGN

Prerequisites: None

One Semester- 0.5 credit

Grades 10-12

Web design is an introduction to basic web design using HTML (Hypertext Markup Language). Throughout the course, students are introduced to planning and designing effective web pages and implementing web pages by writing HTML Code. This is a hands-on project-based course that does not require any prior knowledge of HTML or web design.

ENGLISH

ENGLISH I

Two Semesters- 1.0 credit

Required Grade 9

Freshmen will study literature from around the world through prose, poetry, and drama. Grammar will include the study of the parts of speech, phrases, and clauses. The basic writing process learned in middle school will be expanded through literary essays and creative work; students will work on listening and communication skills through note-taking, public speaking, and increased vocabulary. Organization of materials and growth of independence is stressed.

ENGLISH II

Prerequisites: English I

Two Semesters- 1.0 credit

Required Grade 10

Sophomores study literature from around the world through prose, poetry, and drama. Usage and mechanics will be stressed in grammar and the writing process will become more refined through literacy interpretation, literary analyses, and creative work. Students will work on oral communication skills through note-taking, public speaking, and increased vocabulary. There is an increased emphasis placed on independence and time management.

ENGLISH III

Prerequisites: English I & English II

Two Semesters- 1.0 credit

Required Grade 11

Juniors will study American Literature through prose, poetry, and drama. A continuous review of grammar skills will be made throughout the year and are expected to be utilized appropriately in writing. Students will be expected to develop proficiency in writing and revision through literary interpretations, literary analyses, and creative work. Increased vocabulary usage and independence is stressed as well as self-advocacy.

ENGLISH IV

Prerequisites: English I, English II, & English III

Two Semesters- 1.0 credit Grade 12

Seniors will concentrate on writing techniques that combine elements of technical writing and simple grammar and usage basics to develop an effective writing style appropriate for business. Students will have a variety of writing experiences, including resumes and letters of application. Students will also have a literature (reading) component in this course.

AP ENGLISH LITERATURE & COMPOSITION

Prerequisites: English III

Two Semesters- 1.0 credit Grade 11-12

AP English Literature and Composition is designed to be a university level course, thus the "AP" designation on a transcript. This course will provide the student with the intellectual challenges and workload consistent with a typical undergraduate university English literature/Humanities course.

As a culmination of the course, students are encouraged to take the AP English Literature and Composition Exam given in May, at the cost of the student (resources available). A grade of 4 or 5 on this exam is considered equivalent to a 3.3-4.0 on a university grading scale. A student who earns a grade of 3 or above on the exam will be granted college credit at most colleges and universities throughout the United States.

CREATIVE WRITING

Prerequisites: English I & English II

One Semester- .5 credit Grades 11-12

Creative Writing is a half-credit English course designed to provide daily writing opportunities for avid writers, in addition to some longer creative, short story writings. This course is conducted as a writer's workshop where everyone is an active writer.

PUBLIC SPEAKING

Prerequisites: English I & English II

One Semester- 0.5 credit Grades 11-12

Public Speaking is a half-credit English course designed to provide daily public speaking opportunities for those who wish to gain confidence when speaking in front of a group of people. Some writing will be required for speech preparation; however, students will be assessed on their application of public speaking skills taught in this course, such as eye contact, body poise, and voice control.

FINE ARTS

These courses may have additional class fees.

ART HISTORY & ACTIVITIES

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

Explore the history of art through activities. This course is student-led and allows for freedom of the time periods/artists we study and the activities we do. Some examples are: designing stone age tools and creating a cave painting, re-enacting a scene from a famous painting, creating a mural or...Bring your ideas! We will also take a look at art history careers.

ART ACTIVISM

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

What's on your mind? Say it with art. Keep it clean, keep it appropriate, but say it! This course takes a look at how art can be used to express your thoughts, beliefs, values, and ideas and how you can use it to try and make a change in our world.

CERAMICS

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

Students will learn all about the foundations of ceramics; slab building, coil construction, pinch pots, and finally time on the potter's wheel. We will take a field trip to Midwest Clay Project & Studios in Madison for additional instruction and time on the wheel.

CERAMICS 2

Prerequisites: Ceramics 1

One Semester - 0.5 credit Grades 9-12

Ceramics 2 will build upon the skills learned in Ceramics 1. You will have more freedom to explore and develop new techniques as well as your own personal style in the medium.

CULTURAL ART

Prerequisites: None

One Semester- 0.5

Grades 9-12

This course takes a look at various cultures and their art. The students will be able to have input as to which cultures we study and ideas for projects. The possibility of a field trip to an art museum or cultural area is also an option. The ideal trip would be a cultural immersion tour to another country. Ideas will be worked out once class starts. Art careers abroad will also be researched. Join this class and travel around the world through art!

PAINTING

Prerequisites: None

One Semester- 0.5 credit

Grades 9-12

In the painting course, students will be exploring all different kinds of painting techniques. Students will paint on many different surfaces, from paper to board to canvas. We will explore watercolor paints, acrylics, water-based oil paints, and even spray paint.

PAINTING 2

Prerequisites: None

One Semester- 0.5 credit

Grades 9-12

This course will build on the skills gained in Painting 1. Students will choose a painting medium to explore (watercolor, oil, or acrylic) and develop their own style.

2D/3D Design

Prerequisites: None

One Semester- 0.5 credit

Grades 9-12

This course offers students experience in creating 2D and 3D works of art through a wide variety of materials. The students will explore the elements & principles of design through art and experience curating exhibitions and installations. A possible field trip to a museum for a hands-on art experience in a medium of interest is a possibility. Do not take this class if you have already had 2D or 3D art.

RECYCLED ART

Prerequisite: None

One Semester- 0.5 credit Grades 9-12

Students will create works of art out of donated recyclables or found materials. This is a class to stretch your imagination as each project will be completely unique because of the individual nature of the supply of materials. Students will also explore artists who use recycled, natural, or found objects such as Andy Goldsworthy, Marcel Duchamp, and Lee Bontecou.

CONCERT BAND

Prerequisite: Middle School Band

Two Semesters- 0.5 credit Grades 9-12

The Argyle Music Department offers this course to study and perform quality band music. Class activities emphasize the development of instrument technique, tone production, tuning, fundamentals of music theory, music reading, and listening skills. Outside of class, the Argyle High School Band is responsible for performing at the homecoming football game and parade, all home basketball games, and 2 evening concerts.

This course can be taken more than once for credit.

CONCERT CHOIR

Prerequisite: Middle School Choir

Two Semesters- 0.5 credit Grades 9-12

The Argyle Music Department offers this course to study and perform quality choral music. Class activities emphasize the development of singing technique, tone production, fundamentals of music theory, music reading, and listening skills. Out-of-class performances include singing for special occasions and two concert performances.

This course can be taken more than once for credit.

MATHEMATICS

ALGEBRA I

Prerequisites: None

Two Semesters- 1.0 credit Required Grade 9

In this course, students will study properties and operations of the real number system; evaluate rational algebraic expressions; solve and graph first-degree equations and inequalities; translate word problems into equations; operations with and factoring of polynomials; and solve simple quadratic equations.

INFORMAL GEOMETRY

Prerequisites: Algebra I

Two Semesters- 1.0 credit Elective Grades 9-10

****NOTE:** This course satisfies the geometry graduation requirement, students wishing to complete Algebra 2 will need to take Geometry as well.

This course emphasizes a practical approach to the study of geometry and deemphasizes an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc.

GEOMETRY

Prerequisites: Algebra I

Two Semesters- 1.0 credit Required Grades 9-10

This course emphasizes an abstract, formal approach to the study of geometry, typically including topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

ALGEBRA II

Prerequisites: Algebra I & Geometry

Two Semesters- 1.0 credit Grades 10-12

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

ADVANCED MATHEMATICS

Prerequisites: Algebra II (Must have passed with a C or Higher)

Two Semesters- 1.0 credit Grades 11-12

Advanced Mathematics solidifies quantitative literacy through the use and extension of Algebra II and Trigonometry. This course prepares students for postsecondary liberal studies in mathematics coursework. Course content typically includes algebraic operations, solutions of equations and inequalities, number sets, coordinate geometry, functions and graphs, probability and statistics, basic trigonometry, and data representation.

APPLIED MATH

Prerequisites: None

Two Semesters- 1.0 credit Grades 11-12

This class is designed to provide extensive real-world applications in each area of study. The course is divided into two parts—Business and Occupational Math. The Business Unit covers Data (analysis, creating, organizing, and graphs), Statistics (dealing with variability, normal distribution, quality control, and correlation), Finance (costs involving saving, borrowing, billing, etc.), and Algebra (review of basic Algebra topics). The Occupational Unit covers Measurement (measuring with different tools, converting units between English and Metric, Problems with Tolerance), Topics in Geometry (Triangles, angles, Perimeter, Area, and Volume), and Trigonometry (basic triangle properties, right triangle trigonometry).

CALCULUS

Prerequisites: Advanced Mathematics

Two Semesters- 1.0 credit Grade 12

Calculus includes the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of Trigonometry, elementary functions, analytic geometry, and math analysis).

Physical Education/Health

*Students must take PE at least once a year for three years to meet graduation requirements.

TEAM SPORTS & GAMES PE

Prerequisite: None

One Semester- 0.5 credit Grades 9-10

The Team Sports course provides students the opportunity to experience a variety of sports. Activities include but are not limited to flag football, soccer, ultimate games, speedball, basketball, floor hockey, and Baseball/Softball/Kickball. Content includes a comparison of various field invasion games examining strategies, proper sportsmanship, refereeing, rules, and skills. This class is designed for the competitive student. No prerequisites are required.

WELLNESS PE

Prerequisite: None

One Semester- 0.5 credit Grades 9-11

This course is designed so all students acquire the basic knowledge about how to become fit and why it is important. Students will learn how to safely use various exercise equipment and stations in the weight room. Instruction will focus on the components of fitness and how they contribute to optimal health. Principles of strength training, elements of cardiovascular health, basic anatomy and physiology, and the elements of a personal fitness plan are topics covered during the course.

PERSONAL FITNESS & WEIGHT TRAINING

Prerequisites: Team Sports & Games PE OR Wellness PE

One Semester- 0.5 credit Grades 10-12

Emphasis will be placed on properly applied progressive resistance exercises using selected machines and free weights. Students will also become familiar with more advanced methods of strength and cardiovascular conditioning exercises. Each student will design his or her own personal fitness program appropriate to their individual goals and needs. Students will assess their levels of physical fitness and work to improve those levels each day in class. This is a great off-season or in-season conditioning program that can be done during school for many of our students with multiple after-school commitments. Any student wishing to improve their fitness levels would benefit from this course.

LIFETIME RECREATIONAL PE

Prerequisite: 2 of the following courses: Team Sports & Games PE, Wellness PE, OR Personal Fitness & Weight Training

One Semester- 0.5 credit Grades 11-12

Provides students with an opportunity to incorporate physical activity and lifelong leisure experiences into their lifestyle through gameplay and practice. Focus units include but are not limited to archery, golf, Softball, tennis/racquet sports, volleyball, and walking/jogging. Other team sports will be incorporated as non-competitive activities. Skills and common concepts of each lifelong activity will be presented and developed through practice and match play.

HEALTH

One Semester: 0.5 Credit.

Prerequisites: None Required: Grade 9

This course will explore the various components of social, emotional, and physical health. The course will have a major emphasis on healthy lifestyle choices and social well-being.

SCIENCE

BIOLOGY

Prerequisites: None

Two Semesters- 1.0 credit Required Grade 9

Biology is a life science that studies the world we live in. Students will be studying plants, the environment and environmental issues, cells, and genetics. Students will also be given an introduction to human body systems.

PHYSICAL SCIENCE

Two Semesters- 1.0 Credit

Prerequisites: Biology Grade 10

Physical Science is a course in which students will be given an introduction to chemistry and physics. The main areas of focus are energy, motion, matter, and electricity to name a few. Students are offered many lab experiences to enhance learning.

ENVIRONMENTAL SCIENCE

Prerequisites: None

Two Semesters- 1.0 credit Grades 11-12

Students will take a close look at environmental conservation and natural resource management. Also, the class will cover the history of conservation, important people, soil and water conservation, and careers in conservation/ecology such as DNR.

CHEMISTRY

Prerequisites: Biology

Two Semesters- 1.0 credit Grades 10-12

Chemistry is a lab-based course that allows students to discover matter and the changes that matter can undergo. Some of the topics that will be covered are the periodic table of elements, chemical formulas, chemical reactions, nuclear chemistry, acid/base chemistry, and biochemistry. Students will experience many “hands-on “ lab experiences along with connecting chemistry to the world we live in today.

ADVANCED CHEMISTRY

Prerequisites: Biology & Chemistry

Two Semesters- 1.0 credit Grades 11-12

Advanced Chemistry should be taken after general chemistry and will provide the student with more in-depth knowledge in topics such as acid/base chemistry, intermolecular forces, Thermochemistry, and kinetics. This class will provide a greater depth of knowledge intended to prepare students for AP Chemistry.

AP CHEMISTRY

Prerequisites: Biology & Chemistry

Two Semesters- 1.0 credit Grades 11-12

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy

ANATOMY & PHYSIOLOGY

Prerequisites: Biology

Two Semesters- 1.0 credit Grades 10-12

Anatomy and Physiology is an in-depth look at the human body both anatomically and physiologically from the cellular level to a systematic level. Students will study the systems of the body and the functions that each is able to perform, along with the consequences that may result if the body is unable to function properly.

CAPP BIOLOGY

Prerequisites: Biology & Chemistry or Anatomy & Physiology

Two Semesters- 1.0 credit Grades 11-12

This is a college-level course through UW Oshkosh that will go more in-depth in the area of biology.

FORENSIC SCIENCE

Prerequisites: Biology

One Semester- 0.5 credit Grades 11-12

The course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

ZOOLOGY

Prerequisites: Biology

One Semester- 0.5 credit Grades 10-12

Zoology encompasses many areas of life sciences. This is a semester course that will survey the nine major phyla of the Kingdom Animalia. Zoologists research everything that has to do with animals, including their anatomy and interrelationships, physiology and genetics, and

habitats. This course is heavy in dissection, with each unit being followed by the dissection of an animal of the phyla being studied at the time. Zoology also bridges animals of different phyla and how they are interconnected in ecological settings.

SOCIAL SCIENCE

WORLD HISTORY

Prerequisites: None

Two Semesters- 1.0 credit

Grades 9-12

World History combines a study of ancient civilizations and Medieval Europe, beginning with the civilizations of the ancient Middle East and continuing through the late Middle Ages in Europe (ancient material). It continues with an overview of the history of human society in the past few centuries- from the Renaissance period, or later, to the contemporary period-exploring political, economic, social, religious, military, scientific, and cultural developments (modern material).

US HISTORY UNTIL 1877

Prerequisites: None

One Semester- 0.5 credit

Grades 9-12

US History to 1877 examines the history of the United States from the early exploration and colonial period through the United States Civil War & Reconstruction. An overview of political events, geographic land changes, wars & military activities, scientific discoveries and changes, worldwide events and their impact on the United States, and social developments throughout society will be discussed.

US HISTORY 1877-THE PRESENT

Prerequisites: None

One Semester- 0.5 credit

Grades 9-12

US History 18577 through the present examines the history of the United States from the United States Civil War & Reconstruction all the way to today. An overview of political events, geographic land changes, wars & military activities, scientific discoveries and changes, worldwide events and their impact on the United States, and social developments throughout society will be discussed.

AP U.S. HISTORY

Prerequisites: None

Two Semesters- 1.0 credit Grades 11-12

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. History. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

UNITED STATES GOVERNMENT & CIVICS

Prerequisites: None Required

Two Semesters- 1.0 credit Grades 11-12

U.S. Government provides an overview of the structure and functions of the U.S. Government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. Civics examines the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. Both courses will also examine the structure and function of state and local governments and will cover certain economic and legal topics.

CURRENT EVENTS & ISSUES

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

In this course, you will study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present. This course will be offered every other year.

MINORITY ISSUES

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

In this course, you will examine the history, politics, economics, and/or culture of minority groups in U.S. society. The course may focus on gender relations, age religion, sexual orientation, race, and other discriminatory characteristics which individuals may experience. This course will be offered every other year.

U.S. WARS & MILITARY CONFLICTS

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

In this course, you will focus on the study of one or more wars and major military conflicts in which the United States had a significant role. This course will concentrate on one of many topics related to war, including the causes; U.S. involvement; and social, political, and economic effects. Specific wars may include the Revolutionary War, American Civil War, World War I, World War II, Korean War, Vietnam War, Gulf War, and/or other contemporary military conflicts. This course will be offered every other year.

ECONOMICS

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the US economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

GEOGRAPHY 9

Prerequisites: None

Two Semesters- 1.0 credit Required Grade 9

The Geography course will provide an overview of all continents and land regions. Included will be information about the physical environment, political landscape, relationship between people and their interaction(s) with land, water, and air, economic conditions, developments, and possibilities, movement of goods, people, ideas, resources, and other items.

SPANISH

***These courses may be offered online through the Wisconsin Virtual School.**

SPANISH I

Prerequisites: None

Two Semesters- 1.0 credit Grades 9-12

This course introduces students to the Spanish language and culture. Students will learn to understand and respond to simple conversations which would occur in social situations and in the classroom. Students will also be able to read and understand simple written material as well as produce sentences and short paragraphs.

SPANISH II

Prerequisites: Spanish I

Two Semesters- 1.0 credit Grades 10-12

This course strengthens a student's ability to communicate in Spanish. Students will continue to work on understanding and responding to oral and written material. They will learn enough Spanish to be able to function in the target culture and to meet their basic needs. Students will be able to use verbs in more forms, including past, imperative and polite forms. Students will also continue to learn useful vocabulary and expressions.

SPANISH III

Prerequisites: Spanish II

Two Semesters- 1.0 credit Grades 11-12

Along with the study of Spanish culture, Spanish III students will concentrate on perfecting language skills while developing the four skills of communication: reading, writing, listening, and speaking. Students will continue to increase their Spanish vocabulary.

SPANISH IV

Prerequisites: Spanish III

Two Semesters- 1.0 credit Grade 12

This class will review what students have learned in previous Spanish classes. Students will expand their Spanish conversation skills and be introduced to more Spanish culture and literature. More advanced grammatical topics and structures will be covered as well.

TECHNOLOGY EDUCATION

May Have Additional Class Fees

PC BUILDING

Prerequisites: None

One Semester - 0.5 credit Grades 9-12

IT Essentials: The PC Hardware and Software course will provide students with an in-depth exposure to computer hardware and operating systems. Course topics include the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Students learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, this course will introduce students to networking and will prepare them for industry certification.

WOODWORKING I

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

Using project-based learning, you will explore the basics of woodworking: accurate measuring, the basics of finishing wood, and the basics of power tools. Students will create an end grain cutting board along with 1 personal project. Students will be required to pay for their own materials unless the student brings their own materials.

WOODWORKING II

Prerequisites: Woodworking I

One Semester- 0.5 credit Grades 9-12

In this class, students will learn advanced wood joinery; then, they will select and complete an independent advanced woodworking project of their choice, with approval from the instructor, assistance will also be provided from the instructor as needed. Students will be responsible for purchasing the materials for their project unless the student brings in their own materials.

FUTURE ENERGY/RENEWABLE ENERGY

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

It's a fact that fossil fuels will not last forever. This class will help you explore the types of renewable energies that will! Students will explore solar, wind, hydroelectric, biomass, and geothermal energies with guided instruction and hands-on projects.

HOME & AUTO MAINTENANCE

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

In this class you will learn how to be a confident DIY (Do It Yourself) person in both home and auto maintenance. Through research, hands-on activities, and projects, you will learn lots of practical how-to's, and proven ways to save money. Plus, you will gain a greater understanding of all that's involved in maintaining a home and a vehicle.

TECHNOLOGY EDUCATION I

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

In this class, you will learn a design process that can help you succeed in all areas of life! Through hands-on activities, challenges, projects, and research you will have opportunities to creatively implement that design process. Minimal shop/power tool experience will be helpful but is not required.

TECHNOLOGY EDUCATION II

Prerequisites: Technology Education I

One Semester- 0.5 credit Grades 9-12

This class picks up where Technology Education 1 ended, with more challenging projects and opportunities to implement our problem-solving design process. This class will also introduce you to the computer software needed for computer modeling and 3-D printing of your ideas.

BUILDING TRADES

Prerequisites: Woodworking I

One Semester- 0.5 credit Grades 10-12

In this class, you will explore the skills needed for careers in concrete and masonry work, construction carpentry, and electrical and plumbing trades.

POWER MECHANICS

Prerequisites: Home & Auto Maintenance

One Semester- 0.5 credit Grades 10-12

This class will provide students with hands-on experience in small engines. Through research, engine disassembly, repair diagnosis, and reassembly, students will become proficient in maintaining all aspects of small engines.

WELDING 1

Prerequisites: None

One Semester- 0.5 credit Grades 9-12

This class will provide an opportunity for students to learn and practice arc “stick” welding. You will also learn how to do all of the welds currently used in manufacturing and construction--two industry areas that are always looking for new workers.

WELDING 2

Prerequisites: Welding 1

One Semester- 0.5 credit Grades 9-12

In this class you will implement what you earned in arc “stick” welding by working on advanced welding projects. You will also have the opportunity to explore MIG welding, TIG welding, a plasma cutter, and the use of an oxyacetylene torch.

WELDING 3

Prerequisites: Welding 1 & 2

One Semester- 0.5 credit Grades 10-12

Students will select and complete an independent welding project for their choice (with approval from the Instructor). Welding 3 students will be in the same class periods as Welding 1 or 2 students.

OTHER OPPORTUNITIES

DRIVER'S EDUCATION

Driver's Education is a Pass/Fail Course that is based on attendance. The course does not impact a student's GPA or the number of credits needed to graduate high school. The traditional classroom set-up, expectations of assignment completion, and task performance will differ from other classes. They will factor into student performance and participation separately from other classes and programs.

Driver's Education satisfies the state requirements for citizens to obtain their driving permit at the age of 15 years old, and thus their driver's license at the age of 16 years old.

The classroom instruction meets the state of Wisconsin's required 30 hours of classroom instruction, specifically focusing on laws and regulations, rules of the road, and vehicle items.

The vehicle experience meets the state-required 12 hours. Six of these hours will entail the student driving a vehicle under the supervision of the driving instructor. A separate six hours will entail the student riding in the vehicle and observing other drivers under the supervision of the driving instructor. Students' driving time during the school year will be dictated by the student's birthday and the instructor's schedule availability.

Students can take this course at any point until they turn 18, but can only obtain their permit and thus vehicle experience once they turn 15 and have obtained their driving permit.

WHICH INCOMING FRESHMEN ARE ELIGIBLE?

If the student's 15th birthday falls between June 1-March 31 of the next school year, that student is eligible to take classroom instruction during summer school before their 15th birthday.

Cost: \$275.00

Class Dates: Summer

(Tentative-Based on Summer School Schedule)

1) June 5-8, 12-15 (Session 1) OR June 19-22, 26-29 (Session 2)

OR

2) June 12-22 (Monday-Thursday) - Students will choose one session

a) AM Session 8-11:45 AM

b) PM Session 12-3:15 PM

Youth Apprenticeship (YA) Please see the counselor and instructor for more information.

Grades 11-12

1. This program gives high school juniors and seniors the opportunity to explore their career pathway while still in high school. Students take courses both towards high school graduation and take courses related to the profession to enhance what is being learned on the job. Those classes could take place at Southwest Technical College or other higher education institutions.
2. Upon the completion of either a one or two year program, students will be awarded a Certificate of Occupation Proficiency from the Wisconsin Department of Workforce Development.
3. Requirements for each year participation in YA
 - a. **Deadline to Apply is March 31 of the previous school year**
 - b. **Students need 180 hours or 2 semesters worth of related instruction to their YA Pathway (this could take place with high school courses or a higher educational program)**
 - c. **Students need to complete a minimum of 450 hours of work from June 1st-August 31st**

SCHOOL-TO-WORK Please see the counselor and instructor for more information.

Grades 11-12

1. Work Experience (STW)- The work experience program offers students the opportunity to explore their career goals and to study current issues in the workplace. Students are released from school in order to work in the private industry. Students can receive school credit for employment outside the school.
2. Students in School-To-Work will be allowed to leave up to Two Periods (2) per day.

SRTNC

Grades 11-12

The SRTNC Network is a fully interactive video distance learning network utilizing the latest in HD video conference technologies to allow course and content sharing to expand and enhance educational opportunities for its members. Available courses can be found on the CESA3 website under school improvement or by talking to our school counselor.

VIRTUAL

Grades 11-12

Virtual courses are for students wanting/needing an alternative class. Students must meet with the school counselor to determine eligibility.

SCHOOL SERVICE

Grades 11-12 One Semester- 0.5 credit

Students may volunteer within the school for up to one 1 class period per school day and earn ½ credit per semester. A daily log of activities is kept by the student, due at the end of each grading period to earn a Pass/Fail grade. Students will have a say in placement but must ask permission from the teacher and the school counselor.