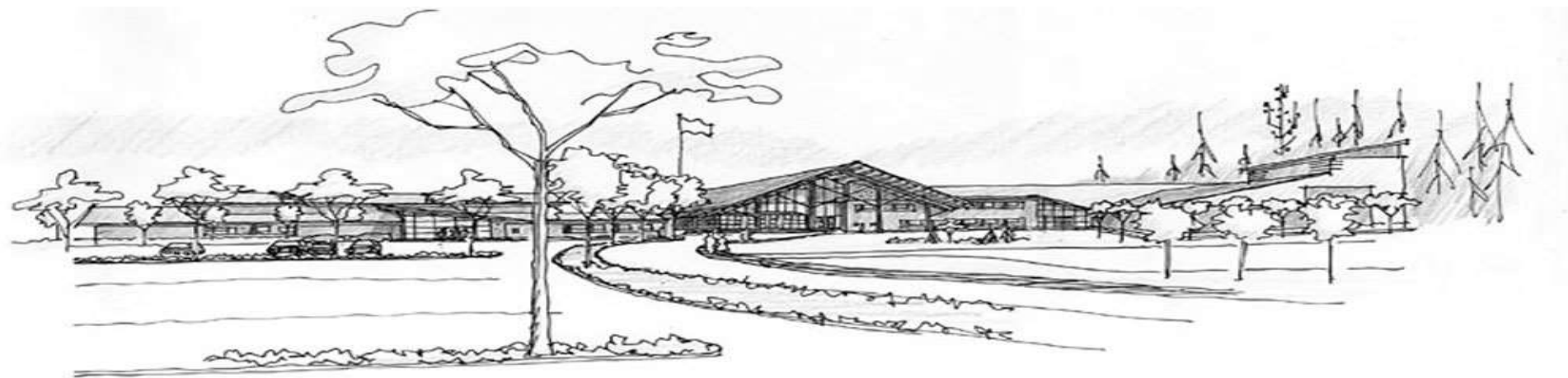


ARLINGTON HIGH SCHOOL

Freshmen Class Guide



2019 - 2020

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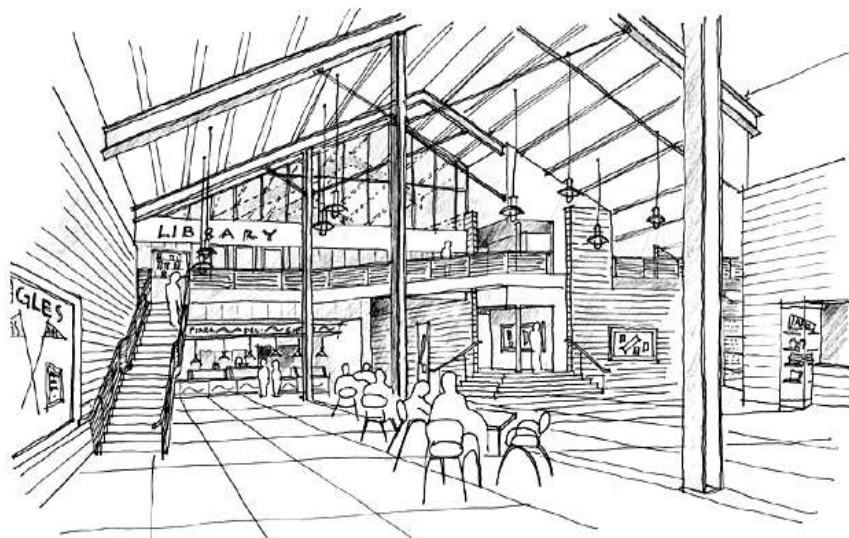
HOW TO USE THE GUIDE

1. Carefully read the course descriptions in this Course Description Guide.
2. Review the Arlington High School Graduation Requirements, page 2.
3. Select required courses and electives based on requirements, interests and future goals.

After the course request process, any requested changes to a student's schedule shall be made through individual counselors. Changes will be allowed for computer errors, overloaded classes, inappropriate placement, or teacher recommendation.

We expect students to choose classes wisely during the course request process and NOT make changes after the start of the school year. Any changes made after five days into the start of the new semester will result in a withdrawal grade of 'F.'

Some of the classes listed in this guide may not be offered in next year's schedule because the number of students who register may not be sufficient to offer the class.



GRADUATION REQUIREMENTS Class of 2020 and beyond

All students graduating from AHS must pass each requirement established by the State Legislature, the State Board of Education, and the Arlington School District Board of Directors. Credits required are based on the student’s graduation year. The usual rate is .5 credits per semester for each class passed, or 24 total over the four years. A minimum of 5 credits must be earned in the Senior year at AHS to be eligible for academic honors. Courses are classified as *REQUIRED* or *ELECTIVE*. Required classes are listed below. Elective classes are chosen based on each student’s Personalized Pathway. It is the student’s responsibility to make sure all graduation requirements are met. **NOTE:** Students planning to attend a university should check with the university for a complete list of admissions criteria. Students planning to participate in college athletics must meet NCAA Clearinghouse requirements.

AHS GRADUATION REQUIREMENTS	2021 & beyond	2020	MINIMUM CORE REQUIREMENTS FOR ADMISSION TO WASHINGTON UNIVERSITIES				
			Central & Eastern Washington Universities	Evergreen State College	Western Washington University	University of Washington	Washington State University
Career & Technical Educ.	1.0	1.0					
English 9th Grade English (1 year) 10th Grade English (1 year) 11th Grade English (1 year) 12 th Grade English Elective (1 year)	4.0	4.0	4.0 Includes study of English language, literature, and writing	4.0	4.0 Includes college preparatory composition and literature	4.0 Includes at least three credits in composition and literature	4.0 Includes college preparatory composition and literature
Fine Arts <i>Visual and Performing Arts options</i>	2.0	1.0	1.0	1.0	1.0	1.0	1.0
Mathematics Algebra I Geometry Algebra II <i>Or third year math alternative * please see counselor</i>	3.0	3.0	3.0 Algebra and two additional years, i.e., Advanced Algebra, Trigonometry, Calculus, Statistics	3.0 Algebra I and above	3.0 Algebra, Geometry and Advanced Algebra	3.0 Algebra, Geometry and Advanced Algebra	3.0 Algebra, Geometry, and Advanced Algebra
Fitness and Wellness 9 th Grade Health (1 semester) Physical Education (3 semesters)	2.0	2.0					
Science Earth Space Science –9 th (1 year) Biology -10 th (1 year) Chemistry –11 th (1 year) Physics –12 th (1 year) <i>NOTE: See counselor for other elective options</i>	3.0	2.0	2.0 Lab Science, must include Chemistry or Physics	2.0 Lab Science, must include Chemistry or Physics	2.0 Lab Science, must include Chemistry or Physics	2.0 Lab Science, must include Chemistry or Physics	2.0 Lab Science, must include Chemistry or Physics
Social Studies World Geography –9 th (1 semester) World History -10 th (1 year) US History –11 th (1 year) Government –12 th (1 semester)	3.0	3.0	3.0	3.0	3.0	3.0	3.0
World Languages <i>French, German, Spanish</i>	2.0		2.0 In any single language	2.0 In any single language	2.0 In any single language	2.0 In any single language	2.0 In any single language
ELECTIVE CREDITS	4.0	6.5					
ADDITIONAL GRADUATION REQUIREMENTS	0.0	0.0	All students seeking a diploma from the Arlington School District must complete grade level appropriate lessons and a High School & Beyond Plan using our Naviance program. Currently students are accessing Naviance during their English class time.				
SBAC, WCAS (science assessment)	0.0	0.0	Please see your counselor for information regarding the state testing requirement as it relates to your son or daughter’s class.				
MINIMUM CREDITS REQUIRED	24.0	22.5					

NONDISCRIMINATION ANNOUNCEMENT

Arlington Public Schools provides equal educational opportunity and treatment for all students in all aspects of the academic and activities program without discrimination based on race, religion, creed, color, ancestry, national origin, age, marital status, honorably discharged veteran or military status, gender, gender expression or identity, sexual orientation, the presence of any sensory, mental, or physical disability, or the use of a trained dog guide or service animal by a person with a disability. The District will provide equal access to school facilities to the Boy Scouts of America and all other designated youth groups listed in Title 36 of the United States Code as a patriotic society.

The following employees have been designated to handle questions and complaints of alleged discrimination:

Inquiries regarding compliance and/or grievance procedures may be directed to the school district’s Title IX/RCW 28A.640 officer and/or Section 504/4DA coordinator.

Title IX/Chapter 28A.640 RCW Officer
315 N. French • Arlington, WA 98223
360-618-6200

EQUIVALENCY CREDIT INFORMATION

The following courses have been approved as equivalent to selected required courses. Discuss these options with your counselor when planning your educational program.

<i>REQUIREMENT</i>	<i>AHS EQUIVALENT</i>
Fine Art	3D Animation Commercial Art Fashion Design Graphic Arts I, II & III Photo Foundations I & II Student News Media Theatre Production
Mathematics	Beginning & Advanced Accounting Business Math Using Excel Computer Aided Drafting (CAD) Advanced CAD AP Computer Science Engineering Medical Math * <i>NEW 2019-2020</i> Robotics Video Game Programming <i>Based on the student's Personalized Pathway these courses meet the 3rd year Math requirement for graduation. However, they do not meet college entry requirements for Math.</i>
Science	Animal Science Biotechnology Plant Biology equivalent to lab science Natural Resources Science of Flight
Physical Education	See counselor for alternatives if needed
Career & Technical Education	Anatomy & Physiology Biotechnology Commercial Art Graphic Arts I, II & III Photo Foundations I & II Student News Media (<i>JOURN170</i>) Theatre Production
Sno-Isle Tech Equivalency	Grades 11 – 12 Eligible for this program

ACADEMIC/CAREER PLANNING

Arlington High School students are encouraged to select a Pathway and develop an appropriate academic/career plan leading to advanced study at a four-year college or university, community or technical college, military, or direct entry into the world of work. It is the responsibility of the school, home, and community to help students make informed decisions about college and career opportunities.

Assessments of student interest, aptitudes, and abilities are integrated with a variety of career exploration opportunities in classes such as *Computer & Career Foundations* and *Career Choices*. Career speakers, research projects, job shadowing, and other learning experiences enrich academic content. Combined with effective counseling practice, students make informed decisions and set goals.

The high school Career Center provides direct access to career resources. Arlington School District uses the *Naviance* program to further expand career-related knowledge and experience through a variety of career exploration lessons in a planned sequence that prepares students for a post-secondary connection in their Personalized Pathway.

Guidance counselors, the Career Center, administrators, advisors, teachers, and support professionals assist students as they explore options and make program decisions.



Earn College Credits in High School

AHS courses with the following logos offer students the opportunity to receive college credit:



COLLEGE IN THE HIGH SCHOOL

These classes provide students the opportunity to earn college credit while in high school. Students pay tuition for these courses and receive college credit and grades upon successful completion. See the instructor for more details. College in the high school course offerings include:

- | | |
|---------------------------------------|------------|
| • College Writing | 5 credits |
| • AP English Literature & Composition | 10 credits |
| • AP English Language & Composition | 5 credits |
| • Student News Media | 3 credits |
| • Chemistry | 5 credits |
| • Physics | 10 credits |
| • Geology | 5 credits |
| • Pre-Calculus | 10 credits |
| • AP Calculus | 5 credits |
| • AP European History | 10 credits |
| • AP US History | 15 credits |
| • AP Government | 5 credits |
| • Spanish II, III, IV | 5 credits |
| • French II, III, IV | 5 credits |
| • German II, III, IV | 5 credits |
| • Marketing Essentials | 5 credits |

CTE - DUAL CREDIT

Arlington High School has a partnership with both Everett Community College and Skagit Valley Community College designed to create programs that help high school students make the most of their high school learning opportunities. The DUAL CREDIT program enables qualified students to earn both high school credit and college credit in selected courses. There is no cost involved with these courses. Students interested in DUAL CREDIT should contact their instructor for more information.

ADVANCED PLACEMENT (AP) COURSES

Advanced Placement allows a student to earn credit for college and prepare students for the rigorous academic structure of university study. AHS AP classes are college level courses and students can, by good performance on the Advanced Placement Examination, obtain college level credit at some universities (see Instructor for details). Students interested in pursuing AP courses should have excellent study habits and are generally required to provide the following: (1) a portfolio of related course work that demonstrates a high level of academic achievement; (2) successful completion of appropriate prerequisites; (3) have prior approval from Instructor. AP course offerings include:

AP Calculus AB	AP Government
AP Calculus BC	AP US History
AP Statistics	AP European History
AP Chemistry	AP English Language & Composition (11 th gr.)
AP Environmental Science	AP English Literature & Composition (12 th gr.)
AP Computer Science Principles	AP Spanish IV
AP Human Geography	AP German IV

Note: Other Advanced Placement classes may be available thru online education. Please see your Counselor to discuss this opportunity.

RUNNING START

Grades: 11, 12

Prerequisites: Application, Asset or Compass Placement test

Running Start is a program that offers eligible high school juniors and seniors the opportunity to take technical or community college courses tuition-free while completing high school. Students who are ready for college-level work may use this opportunity to gain an early start on college or take courses not available through the high school. Grades and credits earned are recorded on both the college and high school permanent transcripts. **Students are responsible for transportation and the cost of books and fees.** If the student's family has qualified for the federal Free/Reduced Meal Program in the current school year, then they may qualify for assistance with books and lab fees. Students interested in Running Start should contact their counselor for more information.



Naviance Career and College Readiness

What is Naviance?

A career and college readiness platform that helps connect academic achievement to post-secondary goals by:

- Empowering students and families to connect learning and life;
- Providing schools and districts with the information they need to help students prepare for life after high school; and
- Allowing students to create a plan for their futures by helping them discover their individual strengths and learning styles and explore college and career options based on their results.

Naviance will be used to assist students in High School and Beyond Planning, a graduation requirement established by the Office of Superintendent of Public Instruction.

This is accomplished through:

- Students' self-exploration
- Providing post-high school career information
- Assisting in searches for colleges and technical skills programs
- Ability to request transcripts, teacher recommendations, and counselor documents when applying to college
- Enhanced communication between counselor, student and post-secondary institutions

High School & Beyond Plan

High School and Beyond Plan Within the first year of high school enrollment, each student will develop a High School and Beyond Plan. The plan will be developed in collaboration with the student, parents/guardians and district staff and include, at a minimum: 1) a career goal; 2) an educational goal; 3) a four-year course plan for high school; and 4) identification of required assessments. Each student plan should be reviewed annually at the beginning of the school year to assess student progress, to adjust the plan if necessary and to advise the student on steps for successful completion of the plan. Whether the student has met requirements for the High School and Beyond Plan is determined by the district.



CAREER AND
TECHNICAL EDUCATION

Career and Technical Education is a planned program of courses and learning experiences that begins with the exploration of career options. It supports basic academic and life skills, enables achievement of high academic standards, leadership, preparation for industry-defined work, and advanced and continuing education. It includes Agriculture Education, Business Education, Computer Education, Marketing Education, Technology Education, Family and Consumer Sciences, and Health Sciences.

AGRICULTURE

The mission of Agriculture Education is to provide all learners with literacy and technical knowledge and skills necessary to live in a global society in the areas of agriculture, natural resources, horticulture, and the environment.

Beginning Ag Science (1.0 cr)

Grades: 9 - 12

Equivalency credit: General Science

This class is an overview of the agricultural industry:

- Washington Agriculture, AgriScience careers, Natural Resources, and Technology
- Plant, animal, and food sciences
- Farm Safety
- Leadership and Career Planning
- FFA membership is recommended



Animal Science (1.0 cr)

Grades: 9 - 12

Equivalency credit: Lab Science

This course is a state approved Lab Biology though which students will explore:

- Biology Principles
- Reproduction and Animal husbandry *Animal husbandry is the management and care of farm animals by human beings, in which genetic qualities and behavior, considered to be advantageous to humans, are further developed.
- Behavior, nutrition, anatomy, physiology
- Health care of animals
- The production and processing of animal products
- Students will be involved with live animal projects both in class and independently
- FFA membership is recommended

Natural Resources (0.5 - 1.0 credits)

Grades: 9 - 12

Equivalency Credit: Lab Science

- inter-relatedness of various ecosystem components
- understanding of the natural resources humans utilize from nature
- Analyze soils and apply conservation strategies
- Explain the hydrologic cycle and how to protect water resources
- Apply a variety of forest, fish and wildlife conservation practices
- FFA membership is recommended



Supervised Agricultural Experience (0.5 - 1.0 credits)

Grades: 9 -12

This is an arranged class that will be completed independently. Supervised Agricultural Experience class is designed for students that are FFA club members with a well-developed SAE project, and learning goals to be able to document learning outside of school. It also allows students with busy school schedules to maintain their FFA membership through continued involvement in agricultural education.

Air Force Junior Reserve
Officer Training Corps
AFJROTC

All grades, 9th - 12th may enroll



Build better citizens, strengthen character, practice responsibility, learning laboratory for leadership in today's fast moving, totally connected, global economic environment.

Note: There is no military obligation whatsoever!

Benefits:

- Developing organization, time management, and communication skills
- Leadership apprenticeship, resume building, public speaking/ interview skills
- Participate in a Health Ed/Physical conditioning program
- Community Service projects – Adopt-a-Highway, Cocoon House, Memorial Day, etc.
- Opportunity for college scholarships / earn a nomination to a US military academy
- Field trips – Military bases, Aviation Museums, Airports, Boeing, FAA facilities, spring & summer Leadership training (Obstacle courses, Rappel Tower, Rock wall climbing, etc.)
- “Cyber Patriot” – network defense/cyber warfare - World Wide competition (4480+ teams)!
- Orienteering competitions – navigation skills, map and compass reading, course plotting
- Rocketry! – design, build, and launch model rockets!



AFJROTC - Science of Flight/Leadership 1

(Non-Lab Science, CTE, or General Elective - 1.0 cr)

Grades: 9 - 12 (Recommended for 1st year JROTC students)

- Weather & effects of flight on human body – G forces, motion sickness, etc.
- Theory of flight – lift, drag, thrust and the effects of wind on flight operations
- Basic navigation, map reading, course plotting and dead reckoning
- Practice leadership & followership, drill, and developing foundations of citizenship
- How to manage stress / Health & Wellness / First Aid /Self-discipline / Respect for others
- Solving personal and interpersonal conflict, problem resolution, adaptive leadership, financial planning

Drill, Strength, Marksmanship & Color Guard teams

(General Elective – 0.5 cr)

Grades: 9-12

Prerequisite: Must currently be (or previously were) in a JROTC class (Leadership 1-4)

- **Drill** - Precision marching movements as a team with rifles (Armed) or without (Unarmed)
- **Marksmanship** - Shooting Air Rifles at targets from 10 meters using .177 pellets
- **Strength** – Push-ups, sit-ups, mile run – individual scores add up to a team score
- **Color Guard** – Precision flag and rifle movements
- **Exhibition Drill** – Armed and Unarmed
- **Academics** – A JROTC version of “Knowledge Bowl” – using Cahoot, Quizlet, etc.
- Perform at assemblies, parades, and events in Western WA (Mariner’s, Silvertips, etc.)
- Compete against cadets from Marysville-Pilchuck, Everett, Snohomish, Burlington-Edison, Oak Harbor, and Port Angeles high schools

BUSINESS & MARKETING EDUCATION

Business Education is education for and about business. Education about business means preparing learners for the various roles they will play as economically literate citizens. Education for business means building on these general understandings about business in a way that prepares learners for the basics in career employability. Students are encouraged to participate in Future Business Leaders of America (FBLA) or Technology Student Association (TSA).

**Intro to Computer Science** (0.5 cr)

Grade: 9 - 12

Prerequisite: Preferred that students have passed Pre-Algebra with at least a C or better

This course teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem solving skills.

Students will:

- Program efficiently in JavaScript
- Learn basic programming concepts
- Study graphics, data structures, animation & games

AP Computer Science Principles (1.0 cr)

Grades: 9 - 12

Equivalency credit: This course meets the 3rd year Math requirement for graduation. Must have Counselor review and Parent approval/signature on file.

Prerequisite: Students must have passed Intro to Computer Science, or passed Algebra I with a B or better and instructor permission

The purpose of this course is to prepare students for the Advanced Placement Computer Science Principles exam in May. The test is part of a nationally recognized program in which students may earn college credit by taking an accelerated class while still in high school. This course will give students the opportunity to explore several important topics of computing using their own ideas and creativity.

Students will:

- Explore how computing and technology can impact the world around you
- Learn and apply the foundations of computer science to address real-world problems
- Pursue personal interests in digital projects that showcase their creativity
- Complete two performance tasks during the course

Note: Students enrolled in this course are given the option to take the AP examination given in May. A test fee is required for the exam.

Computer & Career Foundations (0.5 cr)

Grade: 9, 10

Are you efficient and effective on the computer? Do you know proper etiquette for computer communication? Are you aware of available careers that match your interests?

Students will complete units on the following:

- Career Interests and Research
- Internet Safety/Digital Citizenship
- Software: Word, PowerPoint, Excel
- Leadership
- Keyboarding

**MS Office** (0.5 cr)

Grades: 9 – 12

DUAL CREDIT: 5 credits at Everett Community College

This course will study each program in the Microsoft Office suite. It provides students an opportunity to gain elevated computer skills in various computer software applications. It will also prepare students for the Microsoft Office User Specialist exam, which if passed, students earn the MOUS Certificate from Microsoft endorsing their software knowledge.

- Microsoft Excel
- Microsoft Access
- Microsoft PowerPoint
- Microsoft Word

Multimedia Technology (0.5 cr)

Grades: 9 - 12

Students will work with the following programs:

- Dreamweaver/ Equivalent
- Flash
- HTML/CSS Coding
- InDesign
- Illustrator
- Photoshop

**Beginning Journalism** (0.5 cr) CTE credit

Grades: 9 - 11

Students will...

- Learn the fundamentals of journalistic writing
- Understand press rights and responsibilities
- Learn how to write specific types of stories
- Learn how to interview
- Be expected to spend some out of class time going to various school events and meetings
- Be reading a nonfiction piece written by a journalist/follow journalists
- Explore career options and expectations in journalism
- Learn basics of photography/photojournalism
- Learn basics of layout and design
- Publish at least one story to the school news website





JOURN170-Student News Media (1.0 cr)

Grades: 9 – 12

Equivalency credit: Fine Art or Senior English elective

Pre-Requisite: Students MUST have instructor permission to register for Student News Media.

College in the High School Credit: JOURN170 3 credits per semester available through EvCC (student pays tuition)

Students will:

- Develop skills in layout and design
- Understand press rights and responsibilities
- Interview students both in and out of school
- Be expected to spend some out of class time going to various school events and meetings (at least one hour per week)
- Develop photography skills and take pictures at events
- Explore career options and expectations in journalism and graphic design
- Learn Adobe InDesign and Photoshop
- Create spreads for publication in the school yearbook
- Write variety of stories to publish on the school news website

Robotics (0.5 credit)

Grades: 9 - 12

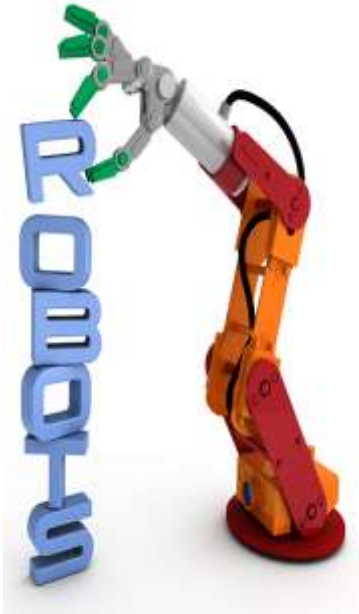
Equivalency credit: 3rd year Math

This course will be offered at the Weston HS campus only

Robotics Foundations is a semester course designed to introduce students to understanding and building simple robots. Students will work in small groups using robot kits to build the robots, including the NXT brick or “brain” of the robot, servos, motors, sensors, and programming software. Students will be:

- Designing
- Building
- Programming
- Applying skills
- Communicating
- Documenting
- Presenting

Skills-USA membership is recommended



3D Animation (0.5 credit)

Grades: 9 - 12

Equivalency credit: Fine Art

Note: This course only offered 1ST period, 1st Semester

This course will be offered at the Weston HS campus only

This course starts with traditional skills such as basic drawing, composition, line, value, and perspective drawing. Skills taught in this course prepare students to pursue a post-secondary education in Fine Art and Animation. Students will:

- Develop strong visual communication, problem solving and technical skills.
- Learn essential animation skills including character concept and design
- Study basic key frame animation, motion concepts, 2D & 3D computer animation
- Work to find effective solutions to problems professional animators face
- Use curriculum from the DigiPen Institute of Tech.



2D Video Game Programming (0.5 credit)

Grades: 9 - 12

Note: Only offered as a 2nd semester course, for participation in a statewide programming competition held in the spring

This course will be offered 1st period at the Weston HS campus only.

This is a hands-on computer science program taught at an entry level through Advanced Placement (AP) Computer Science. The program will prepare students for continued study at Sno-Isle Skill Center. Students will:

- Create a series of video games that require them to integrate math concepts, language arts skills, and design/art theories and concepts
- Develop strong problem-solving and technical skills
- Gain experience applying mathematics and computer science to video game production
- Utilize the *Project Fun* environment building such games as: The Cage, Pong, Brix, Platformer, and Scroller
- Use curriculum from the DigiPen Institute of Technology

Photo Foundations I (0.5 cr)

Grades: 9 - 12

Equivalency credit: Fine Art

This class teaches the principles and elements of digital photography (the vocabulary of visual communication and expression). Students will:

- Explore composition, shoot, edit, organize and manipulate photos
- Investigate digital photography techniques through experimentation with a digital camera, Adobe Photoshop and miscellaneous photography enhancement software.
- Observation and exploration of lines, patterns, and shapes that are present in our environment.
- It is extremely helpful if students have their own cameras. However, there are a few available for checkout.
- Student is responsible for providing a 3-ring binder to keep a portfolio of their work.

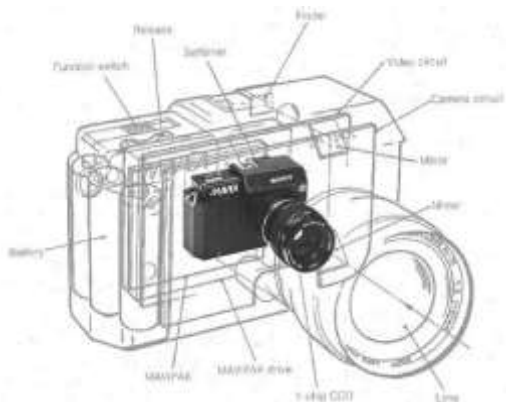
Photo Foundations II (0.5 cr)

Grades: 9 - 12

Equivalency credit: Fine Art

This class expands on the basics of digital photography. We will review, and increase knowledge in the following areas:

- Camera equipment and computer software
- DSLR cameras will be used
- Shutter speed, aperture and ISO settings in a variety of projects
- Applying elements of art and principles of design
- Studying and emulating a famous photographer
- Careers in photography
- Working as a team to create photographic stories
- The process of staging, shooting, and retouching portraits in a studio setting using lighting and backdrops
- It is extremely helpful if students have their own cameras. However, there are a few available for checkout.
- Student is responsible for providing a 3-ring binder to keep a portfolio of their work.



Commercial Art I (0.5 cr)

Grades: 9 – 12

Equivalency credit: Fine Art

Designed for the student who wants to explore a wide range of media, techniques, and approaches to the visual arts. The class will begin with various studies on the elements and principles of art and then move into more advanced concepts. Students will be exposed to drawing, painting, sculpture, print-making, 3D design, and lettering. Topics to be covered:

- Get To Know You Project
- Lettering
- Graffiti/ Stencil Art
- Quilled Letters/Recycled Art
- Game Board Design
- 3D Art
- Installation Art



Graphic Art I (0.5 cr)

Grades: 9 – 12

Equivalency credit: Fine Art

Designed for the student who wants to explore a wide range of media, techniques, and approaches to the visual arts. The class will begin with various studies on the elements and principles of art and then move into more advanced concepts. Students will be exposed to drawing, painting, sculpture, printmaking, 3D design, lettering, and computer generated art. The vast majority of class time will be spent completing projects with lectures and demonstrations at the beginning of each unit.

Topics to be covered:

- The Puzzle of me
- Lettering Sculptures
- Keith Haring 3D People
- Printmaking
- Photoshop
- Comics
- Installation Art

Graphic Art II (0.5 cr)

Grades: 9 – 12

Equivalency credit: Fine Art

Graphic Art II is a course that further investigates concepts covered in Graphic Arts I. Students will expand their skills in Adobe Photoshop, experiment with various printmaking methods including screen printing and t-shirt design, complete movies using stop motion animation and explore three dimensional design. The vast majority of class time will be spent completing projects with lectures and demonstrations at the beginning of each unit.

Topics to be covered include:

- Elements and Principles of Design
- Printmaking: Screen printing (t-shirts), linoleum, wood prints, etching
- Stop motion animation and Claymation
- Children’s book
- Comics
- Photo Shop Exploration
- Installation Art
- **CTSO TSA membership recommended**



FAMILY AND CONSUMER SCIENCES

Family and consumer science education empowers individuals and families across the life span to manage the challenges of living and working in a diverse, global society. Our unique focus is on families, work and their interrelationships preparing students for their dual role of wage earner and family member.

Early Childhood Education (0.5cr)

Grades 9 - 12

Students intending to work in a daycare are required to have Washington State Training and Registry Certification (STARS). This class meets the requirements for STARS certification for those students passing the courses competencies. Skagit Valley College offers 2 tech prep credits for students receiving a B or better (no charge). Students will study the following and more:

- Ages and Stages
- Communication
- Child Nutrition
- Activities
- Correcting
- Day Care Industry Career pathways
- First Aid, CPR, AED ~ card certification recommended



Fashion Design (0.5 cr.)

Grades 9 - 12

Equivalency credit: Fine Art

In Fashion Design students learn the knowledge, skills and practices required for careers in Textiles and Apparel. Students will:

- Explore the development of textile products, their distribution
- Study use in terms of the psychological, social, economic, and physical needs of consumers.
- Experience the hands-on process of designing an original garment
- Look at future directions and trends of textile companies and apparel manufacturers





Baking Basics (0.5 cr)

Grade: 9 - 12

This class meets the prerequisites for Advanced Culinary.

The course prepares individuals to serve under the supervision of chefs and other food service professionals as well as giving students basic knowledge for home food preparation.

- Topics covered include quick breads, pies, cakes, cookies, pastries, deserts and dessert sauces.
- Students will learn the knowledge, skills and practices required for careers in Food Production and Services.
- Receive instruction in kitchen organizations, sanitation and quality control, basic food preparation and cooking skills, kitchen and kitchen equipment maintenance and quantity food measurement and monitoring.



Culinary Basics (0.5 cr)

Grade: 9-12

This class meets the prerequisite requirement for Advanced Culinary.

The course prepares individuals to serve under the supervision of chefs and other food service professionals as well as giving students basic knowledge for home food preparation.

Instruction includes:

- Kitchen organizations, sanitation and quality control
- Basic food preparation and cooking skills
- Kitchen and kitchen equipment maintenance and quantity food measurement and monitoring.

MARKETING EDUCATION

The mission of Marketing Education is to enable students to understand and apply marketing, management, and entrepreneurial principles; to make rational economic decisions; and to exhibit social responsibility in a global economy. The curriculum encourages students to think critically, stresses the importance of interpersonal skills in diverse societies, fosters a realistic understanding of work, and an understanding and appreciation of business ethics.

Social Media Marketing (1.0 cr.)

Grades 9-12

The importance of social media’s role in modern marketing efforts can no longer be ignored. It’s an integral component in almost all successful marketing strategies. With this increasing emphasis on integrated social media strategies, there is an irrefutable need for marketing professionals and organizations to have end-to-end social media expertise.

Through case studies, interactive sessions, social media simulations, and class exercises, students will:

- Learn best practices and develop the skills to connect business objectives with social media strategy, platforms, and tactics
- Study major social media channels and marketing campaign techniques
- Evaluate contemporary and emerging tools in the digital marketplace including social bookmarking and techniques to drive social media traffic
- Gain an understanding of the history, purpose, anatomy, best practices, current trends, and pros & cons of the top 8 Social Platforms: Facebook, Twitter, Pinterest, Instagram, YouTube, LinkedIn, Google+ and Blogs.

MBUS150 Principles of Marketing -

Marketing Essentials (1.0 cr)

Grades: 9 - 12

In this course you will explore the world of Business/Marketing and have the opportunity to gain work experience working in Eagle Company Espresso and Store.

- Topics include marketing careers, human relations, communications, sales, advertising, marketing, and business basics
- Learn by using a store video game and competing with others in the class
- Find out what the “real world” is like through guest speakers and “apprentice” projects
- Opportunities include competition, leadership/business conferences, and other DECA activities
- **Membership in DECA is recommended.**



HEALTH SCIENCES

The mission of Health Careers and Sports Medicine is to prepare students for further education and/ or entry-level jobs in all areas of health care, fitness and medicine. Within sports medicine are areas of specialization such as athletic training, physical and occupational therapy, exercise physiology, biomechanics, clinical medicine, orthopedic medicine, sports nutrition, sports psychology and more.

If any student is interested in a future in health careers and would like to gain a certificate outlining earned competencies in the health science pathway, there are additional classes available at Weston High School for all Arlington High School students. These courses further prepare students to enter certificate programs or college health science courses after graduation.

ASB Cards are required for all students enrolled in the Sports Medicine Lab and membership in the Sports Medicine Club & WCTSMA is strongly recommended.

Umbrella of Sports Medicine



Sports Medicine I

(Class 1.0 cr; Lab 0.25)

Grades: 9 - 12

- Career exploration in Sports Medicine including healthcare and fitness
- Human Anatomy (how the body is put together)
- Human Physiology (how the body works)
- Medical terminology
- Emergency care including First Aid, CPR, and blood borne pathogens
- Prevention, recognition, and care of athletic injuries
- Taping, bracing, and other hands-on skills



Nutrition, Health and Wellness (0.5 cr)

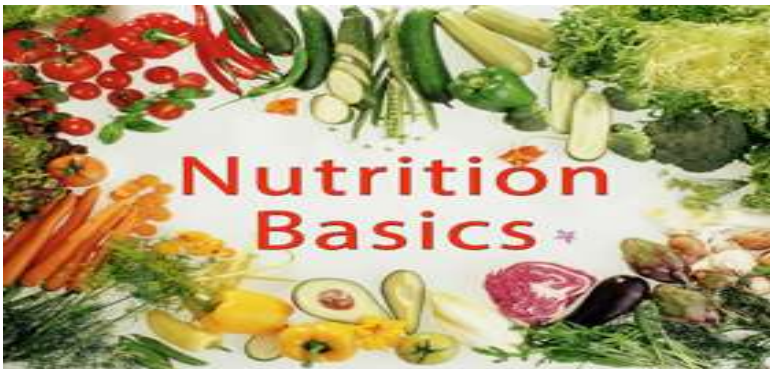
Meets the Health requirement for graduation

Grade: 9 - 12

This course focuses on the relationships between food consumption and human healthy development across the life span. Some food labs will be required. Instruction will cover:

- Basic nutrition, diet and nutritional analysis and planning.
- Healthy cooking
- First Aid, CPR, Human anatomy, development, and human reproduction,
- Health related issues and community health and safety issues.

This class is required for the Early Childhood Education stackable degree offered at Skagit Valley College. Other classes needed for stackable degree are: Child Psychology, ECE Internship.



Intro to Medical Careers (0.5 cr)

Grades: 9, 10

The purpose of Introduction to Medical Careers class is to provide an introduction to the knowledge and skills needed in healthcare careers. Students will have the opportunity to learn about and explore a variety of medical careers including. Medical careers include (but are not limited to):

Medical Doctor, Surgeon
PA-C
ARNP
Nurse
Dentist, Orthodontist
Dental Hygienist
Chiropractor
Ophthalmologists
Physical Therapist
Occupational Therapist
Massage Therapist
EMT, Paramedic
Technicians: Radiology, Cardiology, Respiratory, Dialysis, etc.
Dietitian



Membership in Sports Medicine Club is strongly recommended.

- Job Shadow in healthcare/ medicine (required for all students)
- Emergency Care including First Aid, CPR, and blood borne pathogens
- Medical Terminology
- Human Anatomy (how the body is put together)
- Human Physiology (how the body works)
- Common Diseases and Disorders
- Legal and Ethical Issues
- Employability Skills
- Technical Skills including blood pressure and vital sign measurement

TRADE AND INDUSTRY

Technology Education studies include designing, developing, and utilizing technological systems in real world experiences using up-to-date resources. Trade and Industry Education includes preparatory programs that prepare individuals to produce, process, assemble, test, maintain, service, and/or repair products.



CAD Drafting (0.5 credit)

Grades: 9 - 12

This course meets the 3rd year Math requirement for graduation. Must have counselor review. CAD Drafting & Adv. CAD/CAM Drafting must be taken consecutively to meet the full 1 year requirement.

Using SolidWorks software, students will learn one of the top 3D modeling CAD software programs in industry today.

- Students will learn through experience and practice with tutorials
- Create photo-realistic shapes and objects
- Students will have opportunities to create self-designed projects to be printed on 3-Dimensional Printer
- Learn basic software operation and interface by creating basic sketches, editing and modifying sketches, adding relations and dimensions to sketches
- Learn MasterCam and use of the CNC wood router to make projects and signs
- **Skills USA membership recommended**



Advanced CAD/CAM Drafting (0.5 credit)

Grades: 9 - 12

This course meets the 3rd year Math requirement for graduation. Must have counselor review. CAD Drafting & Adv. CAD/CAM Drafting must be taken consecutively to meet the full 1 year requirement.

- Project-based class where students design projects of their choice through a project proposal
- Students will experience CNC Metal Mill operations
- Computer Aided Manufacturing
- Toolpath generating and editing
- Students will have opportunities to combine computers and shop equipment for projects
- **Skills USA membership recommended**



Manufacturing Foundations (1.0cr)

Grades: 9 - 12

This year long class will focus on career exploration in the field of Manufacturing. A hands-on course, will focus on the theories, methods and techniques used in Welding and multiple Manufacturing fields. Instruction in core cluster skills, includes instruction in materials, manufacturing processes, automation, communication and employability skills, and safety. Topics to be covered include:

- Safety Procedures
- Welding
- Metalworking
- Sheet metal forming
- Basic Machining
- Fabrication
- **Skills USA membership recommended**



Woods Technology I (1.0 cr)

Grades: 9 - 12

- Introduction to shop safety, tool use, and maintenance used in the cabinet industry
- Reading a working drawing
- Basic woodshop application math
- Simple joint and construction methods
- Recognizing wood types
- Two projects of student's choice, approved by instructor
- **Skills USA membership recommended**



Construction Geometry (2.0 cr)

Grades: 9 - 10

A two-period block, team taught by a Math teacher and a Career and Technical Education teacher, where students will receive both a (1.0) Geometry and a (1.0) CTE credit.



In Construction, students will receive hands-on experience:

- Laying out and building stairs
- Basic house frame construction
- Wall and floor framing
- Window and door installation
- Roof construction
- Surveying and plot layout

In Geometry, students will cover all content taught in a regular Geometry class at a pacing modified toward the construction process:

- Objective: Same as Geometry (Earn Second Mathematics Credit for Graduation Requirement and Algebra 2 Preparation)
- **Requirements: Compass, protractor, & straightedge/ruler. Scientific Calculator or TI-84 Graphing Calculator**
- **Skills USA membership recommended**



1st Semester (A) Topics

Polygons and Quadrilaterals, Trigonometry, Perimeter, Area, Spatial Reasoning, and Attributes of Triangles

2nd Semester (B) Topics

Geometric Reasoning, Parallel and Perpendicular Lines, Properties and Transformational Geometry

Theater Production (1.0 cr)

Grades: 9 - 12

Equivalency credit: Fine Art

- This class may be taken for one or two semesters
- This course covers designing sets and props, applications of construction and electronics with emphasis on creative problem solving for challenging systems and projects
- Units to be covered include, set design and construction, light design, special effects, stage management, and safety practices
- Class success hinges on proficient completion of individual unit designs, preparation of a standard stage manager's production prompt book, and a final comprehensive design of a show of the student's choice



ENGLISH COMMUNICATIONS

AHS Graduation Requirement: 4.0 credits

It is the goal of the English Department to give all students the opportunity to experience different forms of language and to provide and promote life-long communications skills.

Students are required to earn four credits in English Communications in order to graduate. Three of these credits involve successful completion at each grade level in chronological order (English 9, English 10 and English 11). Remedial classes will be provided for those not passing the first time. The senior year involves choosing from several electives offered. Students who consider themselves college bound should incorporate as much writing in their choices as possible. Additionally, students who know they are heading for a four- year university may take advantage of the Advanced Placement program and take the AP Exam. Students can receive up to ten college credits depending on how well they do on the exam. College in the High School credit is available for Junior AP English Literature and Composition, Senior College Writing and AP English Literature and Composition.

English 9 (1.0 cr) – Freshman Core Course

Students will continue to develop and reinforce communication skills taught in the eighth grade. In addition they will:

- Begin to work on speaking and listening standards
- Learn and develop critical reading strategies through interactions with selections from the *My Perspectives* text and additional longer texts from a district approved list to increase competency on reading and writing standards
- Focus on expository and argumentative writing standards

Advanced English 9 (1.0 cr) – Freshman Core Course

Prerequisite: A or B in Writing and Reading; permission from 8th grade English teacher

Advanced English 9 is the first class in a sequence leading to Senior Advanced Placement English and ultimately the AP Exam. This class will continue to develop and reinforce communication skills taught in the middle school including strong focus on expository and persuasive writing skills introduced in the eighth grade but with more analysis and collegiate approach to learning. Students will begin working with the AHS presentation scoring guide and learn critical reading strategies through the *Daybook of Critical Reading*. They will experience a more rigorous curriculum than English 9, including more time outside of class. **THIS COURSE REQUIRES A SUMMER READING ASSIGNMENT.**



(Advanced English 9, continued..)

1st Semester

- Interact with the following literature: *Lord of the Flies*, *The Old Man and the Sea*, a choice novel and non-fiction book
- Begin a semester or year-long research project
- Complete a semester-long research project with a culminating presentation



JOURN170-Student News Media (1.0 cr) CTE credit

Grades: 9 – 12

Equivalency credit: Fine Art or Senior English elective

Pre-Requisite: Students MUST have instructor permission to register for Student News Media.

College in the High School Credit: JOURN170 3 credits per semester available through EvCC (student pays tuition)

Students will:

- **Create the school yearbook**
- **Write and photograph to publish on the school news website**
- Develop skills in layout and design
- Understand press rights and responsibilities
- Interview students both in and out of school
- Be expected to spend some out of class time going to various school events and meetings (at least one hour per week)
- Develop photography skills and take pictures at events
- Explore career options and expectations in journalism and graphic design
- Learn Adobe InDesign and Photoshop

FINE ARTS

There are many careers available that emphasize art both directly and indirectly. Arlington High School offers classes in visual and performing arts. These courses teach skills and encourage the students’ creativity and will not only help them in the various areas of music, drama, and visual art, but will also help to build confidence and encourage self-expression. The classes also show the influence of the arts in society and culture, both past and present.

PERFORMING ARTS

Beginning Theatre Arts (0.5 cr)

Grades: 9 - 12

May be repeated

Students will:

- Learn and practice the art of communication through speech, movement, improvisation, and dramatic interpretation
- Develop an understanding of theatrical terminology and artistic aspects of producing stage plays
- Apply their collaborative skill set by preparing, rehearsing, and performing in front of their peers



Theater Production (1.0 cr)

Grades: 9 - 12

Equivalency credit: Career & Tech Ed

- This course covers designing sets and props, applications of construction and electronics with emphasis on creative problem solving for challenging systems and projects
- Units to be covered include, set design and construction, light design, special effects, stage management, and safety practices
- Class success hinges on proficient completion of individual unit designs, preparation of a final set design



Eagle Choir (1.0 cr)

Grades: 9 - 12

- Build a strong musical foundation for students who seek a general knowledge of music and desire to build strong musicianship skills
- Learn to sing correctly, read music by notes, learn music theory, perform three part music
- Gain skills that will give the students the confidence to sing solo
- Designed primarily for underclassmen
- No auditions required, just a positive attitude!

A Cappella Choir: Aerie (1.0 cr)

Grades: 9 - 12

Prerequisite: Audition-based class and Instructor permission.

- Study advanced voice development
- Advanced skills are taught. Rehearsals are intense and coupled with superior standards
- Students will sing a variety of genres for treble choirs
- Attend concerts and musical festivals (required)
- Special attire and travel fees are required

Flight (1.0 cr)

Grades: 9 - 12

Prerequisite: Audition based course. May be dropped if not accepted from audition.

- Learn to perform Jazz, Pop and Classical music along with stage presence and performance techniques
- Perform extensively in the area, attend festivals, and tour.
- Advanced skills are taught. Rehearsals are intense and are coupled with high expectations for superior results
- Consists of 16 singers, a bass player, drummer, guitar, and keyboard accompanist.
- **All singers are required to be enrolled in a music class during the day for a minimum of one semester.**
- **Special attire required**
- **Travel fee required**

Music Theory Lab (1.0 cr)

Grades: 9 - 12

This course is open to students from all levels of music experience.

- Provides opportunity to study basic through advanced music theory concepts
- Experience how to write musical arrangements
- Explore and study American popular music from Jazz to the present day

Piano (0.5 cr.)

Grades: 9 - 12

Prerequisite: Student should have the ability to practice outside of class time

- Learn the fundamentals of keyboard music
- Piano lessons & bi-weekly compositions
- May repeat class for advanced training
- Class is open to students of all levels of experience



Concert Band (1.0 cr)

Grade: 9

- Provides opportunity for study and performance of intermediate level wind music
- Perform at concerts, contests, parades, football games, and community events
- Attendance at some evening and weekend events will be expected



VISUAL ARTS



Art I (0.5 cr)

Grades 9 - 12

- Introduction to visual arts techniques for all levels of experience!
- Experiment with 2D and 3D media while learning the Elements of Art
- Gain skills in drawing, painting, printmaking, sculpture, mixed media, clay and ceramics

Art II (0.5 cr)

Grades 9 - 12

Prerequisite: Must have completed Art I OR Studio Art

- Continuation of Art I, exploring the Principles of Art
- Develop skills in both 2D and 3D media
- Practice drawing, watercolor and acrylic painting, clay sculpture, linoleum block printing, and more!!



Art History (1.0 cr)

Grades: 9 - 12

This program is designed to provide an in-depth study of art history and basic art concepts.

Students will:

- Examine a variety of aspects of art history
- Study themes and purposes of art; styles of art
- Discover various elements of art and design principles
- Articulate visual and art historical concepts in verbal and written form

Commercial Art I (0.5 cr)

Grades: 9 – 12

Equivalency credit: CTE

Designed for the student who wants to explore a wide range of media, techniques, and approaches to the visual arts. The class will begin with various studies on the elements and principles of art and then move into more advanced concepts. Students will be exposed to drawing, painting, sculpture, print-making, 3D design, and lettering. Topics to be covered:

- Get To Know You Project
- Lettering
- Graffiti/ Stencil Art
- Quilled Letters/Recycled Art
- Game Board Design
- 3D Art
- Installation Art

Graphic Art I (0.5 cr)

Grades: 9 – 12

Equivalency credit: CTE

Designed for the student who wants to explore a wide range of media, techniques, and approaches to the visual arts. The class will begin with various studies on the elements and principles of art and then move into more advanced concepts. Students will be exposed to drawing, painting, sculpture, printmaking, 3D design, lettering, and computer generated art. The vast majority of class time will be spent completing projects with lectures and demonstrations at the beginning of each unit.

Topics to be covered:

- The Puzzle of me
- Lettering Sculptures
- Keith Haring 3D People
- Printmaking
- Photoshop
- Comics
- Installation Art



Graphic Art II (0.5 cr)

Grades: 9 – 12

Equivalency credit: CTE

Graphic Art II is a course that further investigates concepts covered in Graphic Arts I. Students will expand their skills in Adobe Photoshop, experiment with various printmaking methods including screen printing and t-shirt design, complete movies using stop motion animation and explore three dimensional design. The vast majority of class time will be spent completing projects with lectures and demonstrations at the beginning of each unit.

Topics to be covered include:

- Elements and Principles of Design
- Printmaking: Screen printing (t-shirts), linoleum, wood prints, etching
- Stop motion animation and Claymation
- Children's book
- Comics
- Photo Shop Exploration
- Installation Art
- **CTSO TSA membership recommended**

HEALTH and
PHYSICAL EDUCATION

The Arlington High School Health and Physical Education Department has several goals for its students:

- Encourage physical activity in order to maintain a reasonable level of fitness
- Develop an understanding of gamesmanship and sportsmanship in a variety of games
- Provide students with opportunities for active participation in team and individual activities
- Encourage positive self-image and social development through cooperative interaction
- All classes contain a conditioning component
- Each class has a goal setting component
- Students are assessed and graded on Physical Education Standards

Health (0.5 cr)

Grade: 9

- Learn about nutrition, mental health, drugs, alcohol, tobacco use, and human sexuality
- Set personal fitness and health goals
- Daily journal writing

Adaptive Physical Education (0.5 cr)

Grades: 9 – 12

This program strives to provide a safe learning environment where students feel they can participate, grow and learn and can become healthy individuals.

- Students on an IEP/ 504 plan
- Students with significant health issues
- Grade will be based on Participation / Personal Improvement
- Four units:
 - 1) Foundations of Personal Health
 - 2) Aerobics and Conditioning
 - 3) Individual Sports
 - 4) Team Sports

Walking/ Toning (0.5 cr)

Grades: 9 - 12

- Increase your physical fitness and cardio-respiratory endurance, strength and flexibility
- The major emphasis will be walking for fitness
- Learn how to self-assess your fitness level, and set fitness goals
- Students are assessed and graded on standards that include walking for distance and speed
- The class will be walking outside, rain, or shine, warm, or cold.
- All weather clothing and an umbrella are requirement



Recreational PE (0.5 cr)

Grades: 9 - 12

- A variety of lifelong sports, exercise, conditioning, and activities
- Team and individual activities will be emphasized
- Weekly conditioning
- Students are assessed and graded on standards that include sportsmanship, gamesmanship, and physical fitness

Net Sports and Conditioning (0.5 cr)

Grades: 9 - 12

Net Sports Offered:

- Tennis, Pickleball, Badminton, Volleyball
- Weekly conditioning
- Students are assessed and graded on standards that include sportsmanship, gamesmanship, and physical fitness

Speed, Power, and Agility Training (0.5 cr)

Grades: 9 - 12

- Improve your speed, power, and agility through daily training in plyometrics, sprints, weight training, and other agility course work
- Student athletes are encouraged to sign-up
- All classes are conducted at 'practice tempo'

Note: This class utilizes the weight room 2 days a week

Students are assessed and graded on Standards in speed and agility skills (40 yd dash, Pro I agility, Vertical jump, Standing Long Jump) and weight training lifts (Power Clean and Snatch)



Athletic Weight Training (0.5 cr)

Grades: 9 – 12 (Instructor permission)

Prerequisite classes: Speed, Power & Agility or Weight Training

Advanced level weight training class designed for athletes. Be prepared to work hard as this class is taught at practice tempo.

Weight Training (0.5 cr)

Grades: 9 - 12

- For students dedicated to improving strength, speed, and power
- Course will incorporate weights lifting, jump training, sprint training, medicine ball, and more
- Students are assessed and graded on standards in speed and agility skills (40 yd dash, Pro I agility, Vertical jump, Standing long jump, and Seated medicine ball throw) and weight training lifts (Power Clean, Bench Press, and Front Squat)

Fit and Tone Weight Training (0.5cr)

Grades: 9 - 12

Designed for all students wishing to improve their over-all strength, appearance, and body image through resistance and cardio-respiratory training.

Course Format

Each week we will cover the following components:

- RESISTANCE TRAINING – where your muscles work against some form of resistance such as - weights, bands, or the weight of your own body
- CARDIO TRAINING – you will work towards improving your aerobic capacity
- Exploration of areas of flexibility, balance, and explosive power through other types of exercises
- Students are assessed and graded on Weight Lifting Standards that include Bench Press. Front Squat and CrossFit along with a Step Aerobics assessment.



MATHEMATICS

AHS Graduation Requirement: 3.0 credits
Arlington High School's Mathematics curriculum offers a continuing program for all students. The minimum graduation requirement is 3.0 credits in grades 9-12. Students will take the state standardized assessments (SBAC) in math to meet graduation requirements. Students not passing this assessment will need to meet with their counselor to discuss alternative options. The content of Algebra I and Geometry is designed to prepare our students for these assessments. Most colleges and universities expect 3 to 4 years of high school mathematics through Algebra II. All students are encouraged to take as much math as possible.

Intensified Algebra (1.0 cr./ Math, 1.0 cr./Elective)
Prerequisite: Teacher Recommendation
Course will be taught in a 2 period block with 1 credit for Algebra I and 1 elective credit. Intensified Algebra is a comprehensive course that is designed to help students by providing additional time and support. Along with Algebra 1 required content, growth mindset, motivation, and perseverance are key components of the curriculum.

- Objective: Earn First Credit for Graduation Requirement and to prepare students for Geometry
- Topics: Functions, Linear Equations and Inequalities, Systems, Quadratic & Exponential Functions, Data Analysis, Non-Linear Relationships, Rate of Change

Algebra I (1.0 cr.)

- Objective: Earn first credit for graduation requirement and prepare students for Geometry
- **Requirements: Scientific Calculator or TI-84 Graphing Calculator**

1st Semester (A) Topics
Solving Equations, Functions, Linear Functions, Inequalities, and Systems of Equations

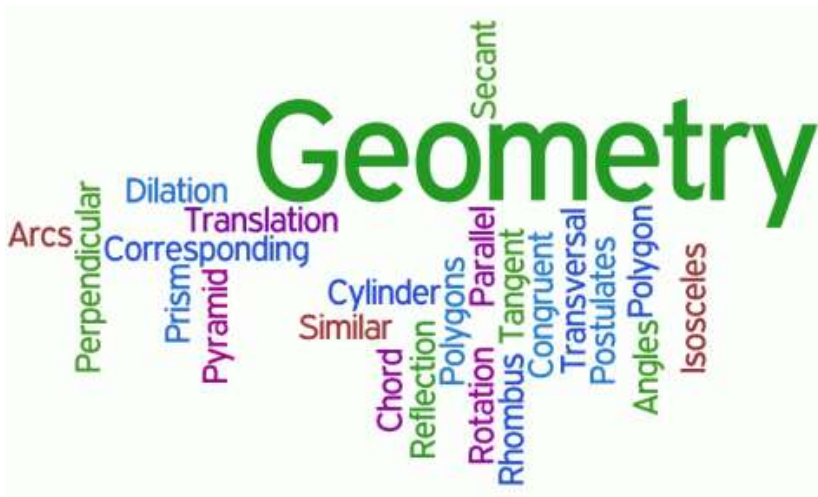
2nd Semester (B) Topics
Exponent and Polynomials, Factoring Polynomials, Quadratic Functions, Data Analysis, Exponential Functions

Geometry (1.0 cr.)
Prerequisite: Successful completion of Algebra I

- Objective: Earn second credit for graduation requirement and state assessment preparation
- **Requirements: Compass, protractor, & straightedge/ruler. Scientific Calculator or TI-84 Graphing Calculator**

1st Semester (A) Topics
Geometric Reasoning, Parallel and Perpendicular Lines, Properties and Attributes of Triangles
(continued, Geometry)

2nd Semester (B) Topics
Polygons and Quadrilaterals, Trigonometry, Perimeter, Area, Spatial Reasoning, and Transformational Geometry



Construction Geometry (1.0 cr./Math, 1.0 cr./CTE)
Grades: 9 - 10
Prerequisite: Algebra I or Intensified Algebra
A two-period block, team taught by a Math teacher and a Career and Technical Education teacher, where students will receive both a (1.0) Geometry and a (1.0) CTE credit.

In Construction, students will receive hands-on experience:

- Laying out and building stairs
- Basic house frame construction
- Wall and floor framing
- Window and door installation
- Roof construction
- Surveying and plot layout

In Geometry, students will cover all content taught in a regular Geometry class at a pacing modified toward the construction process:

- Objective: Same as Geometry (Earn second Mathematics credit for graduation requirement and Algebra 2 preparation)
- **Requirements: Compass, protractor, & straightedge/ruler. Scientific Calculator or TI-84 Graphing Calculator**

1st Semester (A) Topics
Polygons and Quadrilaterals, Trigonometry, Perimeter, Area, Spatial Reasoning, and Attributes of Triangles

2nd Semester (B) Topics
Geometric Reasoning, Parallel and Perpendicular Lines, Properties and Transformational Geometry

SCIENCE

Earth, Space Science (1.0 cr) *Lab Science*
Grade: 9
This is a survey course spanning everything from atoms to planets.
Students will:

- Understand how elements interact on the periodic table
- Explore motion and collisions
- Learn about the components of our climate and weather patterns
- Develop an understanding of waves
- Learn the myths and facts behind constellations and astronomy



AFJROTC - Science of Flight/Leadership 1

Grades: 9 - 12 (1st year JROTC students)

Equivalency credit: "Earth, Space and Physical Science"

- Weather & effects of flight on human body – G forces, motion sickness, etc.
- Theory of flight – lift, drag, thrust and the effects of wind on flight operations
- Basic navigation, map reading, course plotting and dead reckoning
- Practice leadership & followership, drill, and developing foundations of citizenship
- How to manage stress, health & wellness, First Aid, and self-discipline/respect for others



Biology (1.0 cr) *Lab Science*

Grades: 9 - 12

- Explore life and its diversity through labs and activities
- Learn about the cell and its functions in all living things
- Study genetics and learn about your own inherited traits
- Develop an understanding of systems and their interdependence



Animal Science (1.0 cr) *Science or CTE*

Grades: 9 - 12

Equivalency credit: *Lab Science*

This course is a state approved Lab Biology though which students will explore:

- Biology Principles
- Reproduction and Animal husbandry **Animal husbandry* is the management and care of farm *animals* by human beings, in which genetic qualities and behavior, considered to be advantageous to humans, are further developed.
- Behavior, nutrition, anatomy, physiology
- Health care of animals
- The production and processing of animal products
- Students will be involved with live animal projects both in class and independently
- **FFA membership is recommended**



Natural Resources (0.5 - 1.0 credits)

Grades: 9 - 12

Equivalency Credit: *Lab Science or CTE*

- Inter-relatedness of various ecosystem components
- Understanding of the natural resources humans utilize from nature
- Analyze soils and apply conservation strategies
- Explain the hydrologic cycle and how to protect water resources
- Apply a variety of forest, fish and wildlife conservation practices
- **FFA membership is recommended**

SOCIAL STUDIES

AHS Graduation Requirement: 3.0 credits

The Social Studies department is concerned with developing reflective and enlightened democratic citizens for effective participation in local, state, national, and international affairs. The global approach helps students to develop an appreciation and understanding of their own cultural heritage, including diversity and its role in contemporary society. Students will study the motives, actions, and consequences of human beings as individuals, as groups, and as societies in a variety of places and times. In studying this wide array of information, students will not only learn about human history in general, but also about themselves.

World Geography (0.5 cr)

Grade: 9

This course presents a comprehensive study of the five themes of geography.

- Study Cartography, spatial patterns, and regions of the world
- Learn about the interaction of people and environment from different cultures, as well as ways cultures change
- Applied instruction in reading skills will be integrated throughout this course



AP Human Geography (1.0 cr)

Grade: 9

Recommended for self-motivated college bound students.

This is a year-long course with the purpose of preparing students for the Advanced Placement Human Geography exam in May. The test is part of a nationally recognized program in which students may earn college credit by taking an accelerated class while still in high school. Focus will be about the cultural, economic, political and social developments around the world, with a focus on thematic Geography. Students will:

- Study the distribution, processes and effects of the human population on our planet
- Learn how to use and interpret maps, data sets, geographic models, GIS, aerial photographs and satellite images
- Practice emphasis on writing skills including free response and document based questions.

Note: Students enrolled in this course are highly encouraged to take the AP examination given in May. A test fee is required for the exam.

HUMAN GEOGRAPHY



World Conflicts (0.5 cr)

Grade: 9

This course explores the causes and consequences of current world conflicts and their impacts on societies and individuals.

Regions studied include:

- Latin America
- The Middle East
- Africa
- The United States
- East Asia

WORLD LANGUAGES

Core 24 requires two years of a world language for graduation. Incoming freshmen will need to work with their counselor to determine and document their pathway (High School and Beyond Plan) to decide if a waiver of the two-year requirement is appropriate. Most four-year universities require two years of a world language.



French I (1.0 cr)

Grades: 9 - 11

Prerequisite: If you are registering for a first-year world language course as a freshman or sophomore, a grade of C or better in your Language Arts or English class is strongly recommended.

- Introduction to elementary vocabulary and grammar
- Basic French conversation
- Study the culture and traditions of France and the French speaking world



German I (1.0 cr)

Grades: 9 - 11

Prerequisite: If you are registering for a first-year world language course as a freshman or a sophomore, a grade of C or better in your Language Arts or English class is strongly recommended.

- Introduce the student to vocabulary and basic grammar
- Develop enough skill for limited German conversation
- Study various aspects of German culture, traditions, and daily life



Spanish I (1.0 cr)

Grades: 9 - 11

Prerequisite: If you are registering for a first-year world language course a grade of C or better in your Language Arts or English class is strongly recommended.

- Emphasis on developing skill of listening and speaking
- Basic vocabulary and grammatical structure
- A world-view culture will be developed



SPAN&122-Spanish II (1.0 cr)

Grades: 9 – 12

Prerequisite: C- or better Spanish I, or instructor permission

College in the High School Credit: (SPAN&122) 5 credits at Everett Community College (student pays tuition). Freshmen students are not eligible to take this course for college credit.

- Reading, more systematic grammar, controlled writing, and free oral expression
- Basic literary readings
- Culture of the Spanish speaking world in general



ADDITIONAL COURSES

Leadership (0.5 – 1.0 cr)

Grade: 9 (2nd semester only with teacher approval)

Grades: 10 – 12

- Students develop and strengthen their leadership skills
- Students are expected to develop and use their initiative and time management skills
- Students are expected to spend time outside of class to complete coursework and projects
- Students are involved in school and community projects, assembly planning, student council meetings, school improvement projects, recognition projects, and many more



TRAFFIC SAFETY / DRIVER'S EDUCATION (0.5 cr)

Grade: 9 - 12

Graduation Requirement: Fulfills 0.5 cr of General Elective (After school program)

Cost for this state certified course is \$455.00. Fee is subject to change, please inquire at time of registration. Payment plan available (maximum of 3 payments) must see DE Director for details. Must be paid in full to receive DE certificate.

Every student will understand the rules of the road and the current Best Practices. This classroom instruction and in-car instruction will provide skills and resources for every student to be capable and responsible life-long drivers.

Students will receive:

- 30 hours of 'Classroom Time',
- 6 hours of 'Behind the Wheel Instruction',
- 6 hour of 'In-car observation' and
- 50 hours of home practice with parents/guardians.

Participating in the course will also prepare you to pass the Department of Licensing (DOL) Knowledge test and skills test.

CLASSROOM COURSE UNITS:

Students will understand the basics of the DOL Driver's Guide working through these lessons:

- **Module One:** Basic control (switches, lights, gauges, controls), Reference points
- **Module Two:** Signs, signals, and pavement markings, hill parking
- **Module Three:** Intersections, left and right turns, Roundabouts, Turnabouts and highway driving, space management, organ donor, texting/cell phone use
- **Module Four:** Railroad crossings, driving with large trucks, parking (perpendicular, angle, parallel), backing around the corner
- **Module Five:** Freeway driving (on/off ramps, lane changes), Road rage
- **Module Six:** Alcohol and other drugs
- **Module Seven:** Crash avoidance, Emergency procedures
- **Module Eight:** Insurance, crash scenes
- **Module Nine:** Environment, taking care of your vehicle, DOL (next step)
- Complete a comprehensive Final

DRIVING (BEHIND THE WHEEL- BTW) COURSE UNITS:

- **Drive One:** Parking lot (smooth starts and stops, backing straight), Residential (left/right turns, pulling to/from the curb, perpendicular/angle parking, hill starts)
- **Drive Two:** Hill parking, Turnabouts, highway driving
- **Drive Three:** Marysville drive (Roundabouts, lane changes, Railroad crossing, using turn lanes and turn bays and driving in congestion).
- **Drive Four:** Backing around the corner, parallel parking, Freeway driving (on/off ramps, lane changes)
- **Drive Five:** Everett driving (Complex driving: turns, turn bays, hills)
- **Drive Six:** Review and Final drive/skills test

SPECIAL SERVICES

PREREQUISITES

The student must have a current Individualized Education Plan signed by parent or guardian, and/or student. The Individualized Education Plan (IEP) is only for students who qualify according to state rules and regulations, and for special education. Eligibility for special services is based upon assessment data gathered and reviewed by a multidisciplinary team of specialists. Special Services programs provide training and services for a wide range of students with special needs.

SERVICES

Students in the Special Services program receive a standard diploma when they graduate from high school. Therefore, they are expected to meet the basic district requirements. Programs may be modified to offer more time in vocational training and job placements. Students receive specially designed instruction in qualifying areas which may include the following core subjects:

- Reading, Language Arts
- Mathematics
- Study Skills
- Life Skills include: functional academics, social skills, work adjustment, citizenship, personal health and safety, organization and decision making
- Behavior/ social skills

VOCATIONAL ASSESSMENT

Vocational assessment provides useful information for counseling the student in career areas with:

- Interest surveys
- Aptitude tests
- Work samples to assess skills; speed, accuracy, ability to follow directions
- Provide post-secondary goals in education training and employment

TRANSITION PLANNING

At the high school level, the student’s program might include a variety of vocational classes, training programs at the Sno-Isle Skills Center and Work Force Development Center.

Starting at age 16, vocational experiences are planned through IEP meetings conferences to determine the need for specific vocational training and possible job placement. The Special Services and Career Center staff will work with each student and parent regarding interests, abilities, and experience to develop individualized vocational programs using this information.

