

# **Mount Vernon High School**



## **2018-2019 Course Catalog**

*An AVID National Demonstration Site*

# *Mount Vernon High School*

## *2018-19 Course Catalog*



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Phone: (360) 428-6100

[mountvernonhigh.mountvernonschools.org](http://mountvernonhigh.mountvernonschools.org)

### **Administration**

Rod Merrell	<i>Principal</i>
Joan Robertson-Landi	<i>Assistant Principal</i>
Ryan Beatty	<i>Assistant Principal</i>
Cesar Bernal	<i>Assistant Principal</i>
Chris Oliver	<i>Athletic Director</i>

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## A Message From The Principal

Dear MVHS Bulldogs,

We are delighted to have you as part of our learning community at Mount Vernon High School. Our primary goal is to help you be successful in school and appropriately prepared for the post-high school education opportunities that await you. This guide will provide you with very important information for your journey to meet this goal. Please take the time to read these pages carefully. The classes you select for next year will impact your future beyond Mount Vernon High.

Consider your class choices carefully while focusing on your **High School and Beyond Plan**. I encourage you to be diligent in your learning, compassionate towards your peers, and understanding of the fact that we all (even the adults) learn something new every day. I challenge you to broaden your creativity, knowledge, and skills through your choices. With this broadened perspective, you will be completely prepared for what lies ahead in high school and what you will achieve when you graduate.

Because of our alternating schedule, which we refer to as green and white, class periods are approximately 85-minutes long. These longer class periods allow for your teachers to provide engaging activities to help you to develop your social and academic skills. Our schedule also allows for more opportunities compared to a traditional 6-period day schedule. Our hope is that you capitalize on this opportunity to craft a schedule that has variety and poses a challenge for you as a student.

In planning for your future, you should develop a schedule that meets your unique needs and future desires as a student. You will see in your course handbook, that we have identified specific graduation requirements for Mount Vernon High School. You can reference the graduation requirements for your class within this guide. Make sure as you plan your class schedule, that you are meeting all of your graduation requirements.

We offer numerous challenging opportunities at MVHS. We offer 19 different Advanced Placement (AP) courses at the high school. These courses are rigorous and designed to prepare students to meet the expectations of a college curriculum. If you score high enough on the Advanced Placement test that is administered in May, you can earn college credit for the course. These courses require extensive reading and studying. If you plan on attending college, then a high level of academic rigor will allow you to compete for admissions, and ultimately, learn study skills needed for success in college. We also offer dual credit opportunities in Spanish IV, French IV, Research Paper, and AVID 12, where you can earn high school credit and Skagit Valley College credit at the same time.

In addition, we offer you excellent opportunities with our Career and Technical Education (CTE) courses. For many of these courses, you will learn skills connected to the work force. Many of the courses are aligned to specific areas of study offered at Skagit Valley College, so that you can possibly receive college credit.

Your high school experience should be a launching pad to future success. Remember, you will be competing with students from the United States and from around the globe for opportunities after Mount Vernon High School. Plan with the idea that you are building a resume during your high school career. Your resume will open the doors to your future.

I also want to encourage you to participate in co-curricular and extra-curricular offerings. Research from *The Journal of Educational Research* shows that students who are engaged in total learning experiences offered by a school do better in school and are prepared for experiences beyond high school. We take great pride in all that we do at Mount Vernon High School. We offer opportunities for all students and challenging classes for each level of a student's academic development.

It's great to be a Bulldog,

Rod Merrell,  
Principal, Mount Vernon High School



## Un Mensaje del Director

Estimados MVHS Bulldogs,

Estamos encantados de tenerlos como parte de nuestra comunidad de aprendizaje en Mount Vernon High School (MVHS). Nuestra meta principal es ayudarte prosperar en la escuela y prepararte para las oportunidades educacionales después de la preparatoria que te esperan. Esta guía te proveerá con información muy importante para tu camino a cumplir esta meta. Por favor toma el tiempo para leer estas páginas cuidadosamente. Las clases que escojas para el próximo año impactarán tu futuro más allá de la Preparatoria de Mount Vernon.

Considera tus opciones de clases cuidadosamente y enfócate en tu **High School and Beyond Plan** (Plan de la Preparatoria y Mas Allá). Te animo a que seas diligente en tu aprendizaje, compasivo con tus compañeros, y que entiendas de que todos (también los adultos) aprenden algo nuevo cada día. Te reto a que amplíes tu creatividad, conocimiento, y habilidades a través de tus selecciones. Con esta perspectiva extendida estarás completamente preparado para lo que te espera en la preparatoria y lo que alcanzarás cuando te gradúes.

Porque estamos en un horario que alterna, al que nos referimos como verde y blanco, las clases son de aproximadamente 85 minutos. Estas clases de un horario más largo permiten a tus maestros proveer actividades cautivadoras para ayudarte a desarrollar tus habilidades sociales y académicas. Nuestro horario te permite para más oportunidades comparadas con un horario tradicional de 6 clases. Nuestra esperanza es que aproveches esta oportunidad de crear un horario que tiene variedad y que presente un reto para ti como estudiante.

En planeando tu futuro deberías crear un horario que cumpla con tus necesidades únicas y deseos del futuro como estudiante. Veras en tu manual cursos que hemos identificado como requisitos de graduación específicos para Mount Vernon High School. Puedes consultar esta guía para los requisitos de tu generación. Asegúrate que mientras diseñas tu horario de clases, que estés logrando todos los requisitos de graduación.

Ofrecemos una variedad de oportunidades desafiantes en la preparatoria. Ofrecemos 19 clases de Practicas Avanzadas (Advanced Placement) (AP, por sus siglas en ingles) en la preparatoria. Estos cursos son rigurosos y diseñados para preparar estudiantes alcanzar las expectativas de un currículo universitario. Si sacas una puntuación lo suficiente alto en el examen de Practicas Avanzadas, que se administra en Mayo, puedes recibir crédito universitario por el curso. En los cursos se requiere tener que leer y estudiar extensivamente. Si tu plan es atender el colegio/la universidad, entonces un nivel alto de rigor académico te dará la oportunidad de competir para admisión y al final darte habilidades para estudiar necesarias para tener éxito en el colegio/la universidad. También ofrecemos oportunidad para crédito dual en Spanish IV, French IV, Research Paper, y AVID 12, en donde puedes recibir crédito de la preparatoria y en Skagit Valley College al mismo tiempo.

Además te ofrecemos oportunidades excelentes con nuestros cursos de Carrera e Educación Técnica (Career and Technical Education) (CTE por sus siglas en ingles). Para muchos de estos cursos aprenderás habilidades que están conectados al mercado laboral. Muchos de los cursos están alineados a aéreas específicas de estudio ofrecidos en Skagit Valley College y posiblemente puedas recibir crédito del colegio.

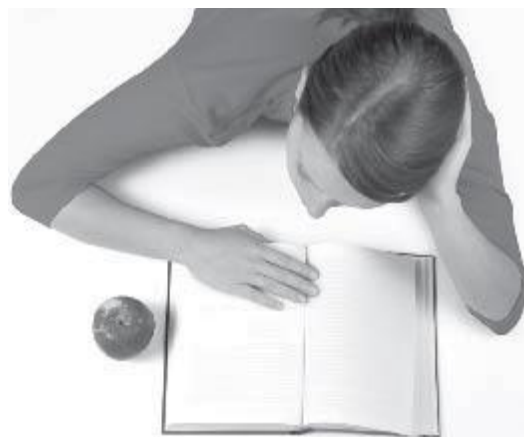
Tu experiencia en la preparatoria debería ser un punto de partida para éxito en tu futuro. Recuerda que estarás compitiendo con estudiantes de los Estados Unidos y alrededor del mundo para oportunidades después de Mount Vernon High School. Planifica con la idea de que estas construyendo un curriculum (resume en inglés) durante tu carrera en la preparatoria. Tu curriculum abrirá las puertas de tu futuro.

También, quisiera animarte a participar en actividades coexcolares e extraescolares. Las investigaciones de The Journal of Educational Research (La Publicación de Investigación Educacional) enseña que estudiantes que están involucrados en experiencias de total aprendizaje ofrecidos por una escuela son más exitosos en la escuela y están preparados para las experiencias más allá de la preparatoria. Tenemos mucho orgullo en todo lo que hacemos en Mount Vernon High School. Ofrecemos oportunidades para todos los estudiantes, y clases desafiantes para cada nivel de crecimiento académico de un estudiante.

Es bueno ser un Bulldog,

Rod Merrell,  
Director, MVHS

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# *Student Support Services*

## Counseling:

Telephone:  
(360) 428-6156

Counselors provide a number of services for students and their parents. Whether it is in the area of personal concerns, academic decisions, or post high school planning, the counselors are here to support students and families. Students are assigned alphabetically to a counselor and are encouraged to make appointments as needed.

### *Counselors (by Student Last Names):*

Matt Virata	A-E
Bernardo Ibarra	F-L
Roger Ellefson	M-Ri
Maria Perez	Ro-Z
Juan Espinoza	Special Ed

## Support Staff:

Armando Ruiz	Graduation Specialist
Tammy Dee	Graduation Specialist/ School Social Worker

## Career Center:

Paige Bird  
Delinda Baughn

## Family Liaisons:

Veronica Gonzalez  
Yesenia Moreno  
Taisa Chuprinov

## Schedule Changes

(adding/dropping a class)

Our goal is to keep disruptions to student schedules and teacher class lists to a minimum, but if a change is necessary during the **first 6 days (3 class sessions)** of the semester, the following reasons will be accepted:

- ***Schedule is incomplete (missing a class)***
- ***Student has taken and received credit previously***
- ***Student does not meet prerequisite for the class***
- ***Student needs course for graduation requirement***
- ***Inappropriate skill level placement (e.g., incorrect math level)***

If a student does choose to drop a class after the first 10 days of the semester, he/she must complete a **Schedule Change Petition Form** (obtained by scheduling an appointment with the appropriate counselor).

After the first 10 days of the semester, a grade must be recorded on the transcript when a class is dropped. If the student is passing, an "NC" will be recorded. If the student is failing, an "F" will be posted on the transcript. **Courses dropped during the last two weeks of the semester will be posted as a failing grade.**

*Students will not be able to add/drop a class after day 16 (eight class sessions) of a new semester unless there are extenuating circumstances. For these situations, the student must make an appointment with their counselor to complete an appeal.*

# Graduation Requirements

- 6 credits are required to be a Sophomore on track to graduate
- 14 credits are required to be a Junior on track to graduate
- 22 credits are required to be a Senior on track to graduate

## General Graduation Requirements:

- A Culminating Project and High School & Beyond Plan are required.
- See page 6 for State Testing Guidelines

## Credit Requirements

### Minimum Graduation Requirements for Classes of 2019-2022

- 4.0 English
- .5 Health
- 3.0 Math (through Algebra 2)\*
- 2.0 P.E. (Please note that participation in athletics, band, Sports Medicine, or physical activity outside of school do not count toward high school P.E. credits.)
- 3.0 Physical Science, Biology, & Science Elective  
(Students taking Biology or Pre-AP Biology as freshmen must take Chemistry and Physics)
- 3.5 Social Studies
- 2.0 Fine and Performing Arts (1 credit may be a Personalized Pathway Requirement (PPR)\*\*)
- 2.0 World Language (Both credits may be Personalized Pathway Requirements (PPR)\*\*)
- 1.0 Career and Technical
  - .5 Digital Literacy (Communications)
  - .5 Computer Science Elective
- 4.0 Career Personal Pathway Requirements (PPR)\*\*
- 4.0 Elective credits which support the student's Academic/Career Plan and meet future personal and educational requirements.

### 30 Total Credits

\*Probability & Statistics, Business & Personal Finance, Bridge to College Math, and several NCTA courses can be taken as an alternative to Algebra 2 .

\*\*Personalized Pathway Requirements (PPR) are related courses that lead to a specific post high school career or educational outcome. Students must choose a Personalized Pathway and take courses that support their choice.

## University Requirements

English	4 Credits
Fine & Performing Arts	2 Credits
Mathematics	Minimum 4 Years
Mathematics Recommended	Pre-Calculus and beyond
Science	3 Credits (including Chemistry and/or Physics)
Social Studies	3 Credits
World Language	2 Credits (same language)
Test Scores:	Official SAT/ACT Score

## Sample Schedules

GRADE 9 1st Semester	
COURSE	NOTES
1. English 9A <span style="float: right;">(RQ)</span>	_____
2. World Geography <span style="float: right;">(RQ)</span>	_____
3. Math <span style="float: right;">(RQ)</span>	_____
4. Physical Science <span style="float: right;">(RQ)</span>	_____
5. Digital Literacy <span style="float: right;">(RQ)</span>	_____
6. P.E. <span style="float: right;">(RC)</span>	_____
7. Elective*	_____
8. Elective	_____

GRADE 9 2nd Semester	
COURSE	NOTES
1. English 9B <span style="float: right;">(RQ)</span>	_____
2. World Cultures <span style="float: right;">(RQ)</span>	_____
3. Math <span style="float: right;">(RQ)</span>	_____
4. Physical Science <span style="float: right;">(RQ)</span>	_____
5. Computer Science <span style="float: right;">(RQ)</span>	_____
5. Elective <span style="float: right;">(RQ)</span>	_____
6. P.E. <span style="float: right;">(RC)</span>	_____
7. Elective*	_____
8. Elective	_____

GRADE 10 1st Semester	
COURSE	NOTES
1. English 10A <span style="float: right;">(RQ)</span>	_____
2. Health <span style="float: right;">(RQ)</span>	_____
3. Math <span style="float: right;">(RQ)</span>	_____
4. Biology <span style="float: right;">(RQ)</span>	_____
5. P.E. <span style="float: right;">(RC)</span>	_____
6. Elective*	_____
7. Elective	_____
8. Elective	_____

GRADE 10 2nd Semester	
COURSE	NOTES
1. English 10B <span style="float: right;">(RQ)</span>	_____
2. World History <span style="float: right;">(RQ)</span>	_____
3. Math <span style="float: right;">(RQ)</span>	_____
4. Biology <span style="float: right;">(RQ)</span>	_____
5. P.E. <span style="float: right;">(RC)</span>	_____
6. Elective*	_____
7. Elective	_____
8. Elective	_____

RQ *Required Course*

RC *Recommended at Grade Level*

\*Choose electives that support your PPR.



# Sample Schedules

GRADE 11 1st Semester	
COURSE	NOTES
1. English 11A (RQ)	_____
2. U.S. History I (RQ)	_____
3. Math (RQ)	_____
4. Science (RQ)	_____
5. Elective*	_____
6. Elective	_____
7. Elective	_____
8. Elective	_____

GRADE 11 2nd Semester	
COURSE	NOTES
1. English 11B (RQ)	_____
2. U.S. History II (RQ)	_____
3. Math (RQ)	_____
4. Science (RQ)	_____
5. Elective*	_____
6. Elective	_____
7. Elective	_____
8. Elective	_____

GRADE 12 1st Semester	
COURSE	NOTES
1. English Elective (RQ)	_____
2. Social Studies Elect. (RQ)	_____
3. Math (RC)	_____
4. Science (RC)	_____
5. Elective*	_____
6. Elective	_____
7. Elective	_____
8. Elective	_____

GRADE 12 2nd Semester	
COURSE	NOTES
1. English Elective (RQ)	_____
2. Civics (RQ)	_____
3. Math (RC)	_____
4. Science (RC)	_____
5. Elective*	_____
6. Elective	_____
7. Elective	_____
8. Elective	_____

(RQ) *Required Course*

(RC) *Recommended at Grade Level*

\*Choose electives that support your PPR.

## Block Schedule

Mount Vernon High School's schedule is an 8 period block schedule based on a semester system. Four classes meet on Green days, and the other four meet on White days. Each course meets for approximately 85 minutes every other day and gives students the ability to receive a half of a credit per semester. Students have the opportunity to register for up to 16 course offerings per year, depending on the amount of year-long classes selected.

Students are eligible to receive 8 credits per year. Credits needed to meet graduation requirements are listed on page 2.

## Bulldog Advisory

Bulldog Advisory groups are designed to help students with academic planning, personal and social development, career planning, and completion of the Culminating Project requirements. Each student is assigned an advisor who works with a group of 15-20 students in the same grade level throughout their four years at MVHS. Bulldog Advisory groups meet weekly, and students are encouraged to contact their advisors if they need additional assistance. Successful completion of this course will result in a .25 credit earned per year.

## MVHS Senior Culminating Project

The Culminating Project is a graduation requirement and an opportunity for students to demonstrate and showcase knowledge and skills learned in the Mount Vernon School District. The Culminating Project allows students to apply what they have learned throughout their four years of high school and will be presented their senior year. The Project is a final process that confirms a student's mastery of communication skills, time management skills, and personal planning skills.

## High School and Beyond Plan

The High School & Beyond Plan is a graduation requirement. It is used to guide your high school experience and prepare you for post-secondary education or training and career. This plan is updated each year to reflect your assessment results, review of your high school transcript, and assess progress toward identified goals. Your plan can be revised as necessary for changing interests, goals, and needs.

## Washington State Testing Requirements

The state legislature passes laws that determine graduation requirements. One of the requirements is that students pass tests, or state-approved alternatives. Required tests vary by expected year of graduation. A student's expected year of graduation is four years after he or she enters the 9th grade.

Tests Required for Graduation		
Class of	Subject	Test
2019 & 2020	ELA	Smarter Balanced ELA test ( <a href="#">exit exam score</a> )**
	Math	Smarter Balanced Math test ( <a href="#">exit exam score</a> )**
2021 & 2022	ELA	Smarter Balanced ELA test ( <a href="#">exit exam score</a> )**
	Math	Smarter Balanced Math test ( <a href="#">exit exam score</a> )**
	Science	WCAS

\*\* ["Exit exam" scores](#) (for graduation requirements) are separate from what are known as the ["college- and career-ready" scores](#).

- [Smarter Balanced](#): English language arts (ELA) and math tests
- [Washington Comprehensive Assessment of Science \(WCAS\)](#)

## College in the High School

### COLLEGE IN THE HIGH SCHOOL (CHS)



If you're an academically motivated high school sophomore, junior, or senior, you may be interested in getting college credit for your high school classes, without ever leaving the high school campus. College in the High School (CHS) gives you the opportunity to do just that!

### What is the College in the High School (CHS) Program?

College in the High School (CHS) is a Dual Credit Program, offering eligible students the opportunity to earn both high school and college credit simultaneously. Courses are taught by qualified high school teachers, on the high school campus, providing greater access to college credit for local students prior to high school graduation.

### How Does the Student Benefit from the Program?

- Students can maintain their high school experience while also earning credits towards their post-secondary goals.
- Students can experience college-level work in a familiar environment.
- The courses included in the program are those most often required in freshman coursework.
- Upon successfully completing the course, credits are transcribed on the student's college transcript, using the college course's title and number, just as it appears in the college catalog.
- Tuition charged for a College in the High School course is around 50% less than that charged when traditionally enrolling in the same course at SVC.

**Students have the option to register for credits at Skagit Valley College. A tuition fee will be applied for the college credits.**

### What College in the High School courses are available?

CHS courses available for the 2018/2019 academic year include:

- AVID 12 (CSS 100) - 3 Credits
- French 4 (FRCH 221) - 5 Credits
- Spanish 4 (SPAN 221) - 5 Credits
- Research Paper (ENGL& 101) - 5 Credits

## Advanced Placement

### ADVANCED PLACEMENT (AP) PROGRAM

MVHS offers an extensive array of Advanced Placement courses where students have the opportunity to experience a college-level course while still in high school. AP students are also eligible to take an AP Exam (for a fee) in each subject area at the end of the school year and can earn college credit through qualifying AP Exam grades (each college/university has its own AP recognition policy). AP courses teach skills and provide the academic rigor that can lead to success in college through development of writing skills, problem-solving techniques, and study habits. In addition, taking rigorous AP courses demonstrates maturity, a willingness to take on intellectual challenges, and a commitment to academic excellence, which will help distinguish students in the college admission process.

MVHS offers AP courses in the following subjects:

American Government  
 Biology  
 Calculus  
 Chemistry  
 Computer Science  
 Economics  
 English  
 Environmental Science  
 French  
 Music Theory  
 Physics  
 Spanish  
 Statistics  
 World History  
 United States History

Course descriptions, prerequisites, and summer assignments are detailed in the course catalog under the appropriate department. Students are not limited to the number of AP courses in which they can enroll, but as a general rule, three AP classes as a senior would be the maximum recommended course load. Questions regarding this should be directed toward the student's counselor as this is an individual decision based on a number of factors.



# *Course Descriptions*

**M**ount Vernon High School offers challenging courses of study designed for students to recognize and achieve their academic and career potential. Through a coordinated sequence of academic and career/technical courses, all students will be better prepared to see their post-high school experience as an opportunity for continuing their education.

As lifelong learners, Mount Vernon High School graduates may continue their education at four-year colleges, community colleges, technical institutions, the military, or in apprenticeship/training programs as they strive to reach their own individual academic and career goals.

## **Program Areas**

AVID

Career and Technical Education

English

English Language Development

Fine & Performing Arts

Leadership

Mathematics

Physical Education

Science

Social Studies

World Languages

Academic Learning Support Programs

# AVID

## AVID

*(Advancement Via Individual Determination)*

AVID is designed to increase school-wide learning and performance. The mission of AVID is to ensure that all students enrolled complete a college preparatory path. With AVID providing support, students enrolled are required to take rigorous courses, maintain an organized binder, participate in community service activities, and commit to making school a priority in their lives. Areas addressed are organization, time management, test taking, study skills, writing, and navigating the college and scholarship application process. Students enrolled in AVID commit to the program for the duration of their high school career. AVID students are required to enroll in at least one AP course by their senior year, take the PSAT, the SAT, and/or the ACT, and apply to a minimum of one four-year university. Students are also required to sign an academic and behavior contract as part of the program. There is a program expectation to maintain grades of C or higher in all classes.

Duration: 2 Semesters per year  
Until Graduation

Credits Per Term: .5

Target Population: 9-12

Prerequisite: Teacher Recommendation

## 9th AVID

AVD09A / AVD09B

## 10th AVID

AVD10A / AVD10B

## 11th AVID

AVD11A / AVD11B

## CSS100 - College Success Skills I

### 12th AVID / CHS

CHSAVA / CHSAVB

Students have the option to register for 3 credits at Skagit Valley College. A tuition fee will be applied for the college credits.



## AVID FOUNDATIONS/ACADEMIC SKILLS

AVDFNA / AVDFNB

Foundations provides the extra structure, guidance, and support a selected group of committed students need in order to develop the skills and knowledge necessary to graduate from Mount Vernon High School and go on to college or a post-secondary school of their choice. Areas addressed are organization, time management and study skills.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9-10

Prerequisite: Enrollment by permission of the AVID Department only.

# Career & Technical Education



Career & Technical Education programs provide educational opportunities for students with good work habits, initiative, and talent to become skilled crafts people, technicians, or professionals in the modern workplace. Occupational skills are emphasized through both school-based and work-based learning experiences that will enable students to pursue their career interest through specific post-secondary training, education, and/or their direct entry into the workplace. Students are encouraged to consider an exploratory class during their Freshman or Sophomore years in order to experience a variety of opportunities in the career and technical education pathways.

## Program Areas

**All CTE courses are considered Occupation Education or Elective credits unless other cross-credit is specified:**

Agriculture Education  
Business & Marketing Education  
Computer Science Education  
Family & Consumer Science Education  
Sports Medicine  
Technology Education  
Transportation & Human Services  
Visual/Audio Arts

## Nationally-Affiliated Leadership Clubs

Agriculture	FFA <i>(The National FFA Organization)</i>
Business	FBLA <i>(Future Business Leaders of America)</i>
FACSE	FCCLA <i>(Family, Career &amp; Community Leaders of America)</i>
Health	HOSA <i>(Future Health Professionals)</i>
Marketing	DECA <i>(An Association for Marketing Students)</i>
Technology	FIRST Robotics <i>(For Inspiration &amp; Recognition of Science &amp; Technology)</i> SKILLS USA
Sports Medicine	WCTSMA <i>(Washington Career &amp; Technology Sports Medicine Association)</i>

## *Agriculture Education, FFA*

### **AGRICULTURAL LEADERSHIP & COMMUNICATION**

**AGR021 (Fall) / AGR022 (Spring)**

Take your leadership and communication skills to the next level! Students will study a wide variety of agricultural topics which include current issues, leadership development, public speaking, agri-science research projects, career development events and more! This class is designed to further your research skills, critical thinking, teamwork, and presentation skills. Students will work in teams and independently to complete a variety of projects aimed at public outreach, FFA Chapter development, and personal leadership growth. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities and school/community experiences.

Duration: 1 Semester

*(repeatable credit)*

Credits Per Term: .5

Target Population: 10-12

Prerequisite: One year of Agriculture classes and teacher permission

### **BEGINNING ANIMAL SCIENCE**

**AGR250 (A) / AGR251 (B)**

Explore the world of animals through practical, hands-on labs and activities that will prepare you for employment in related animal careers and/or post-secondary education. This class teaches students basic veterinary medicine, nutrition, reproduction, genetics, anatomy, physiology, business management, and career exploration related to the livestock and pet animal industries. Students will gain real life experience through completing a Supervised Agriculture Experience project. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities and school/community experiences.

Duration: 2 Semesters

Should enroll for both semesters

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Science elective

### **ADVANCED ANIMAL SCIENCE**

**AGR252 (A) / AGR254 (B)**

Further your animal career skills in this advanced course! Students will focus on veterinary care and preparing for a career in the animal industry. Learning will take place with a variety of labs and hands-on activities in veterinary medicine and procedures, anatomy and physiology, business management, animal systems, and career exploration. Students will gain real life experience through completing a Supervised Agriculture Experience (SAE) project. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities, and school/community experiences.

Duration: 2 Semesters

Should enroll for both semesters

Credits Per Term: .5

Target Population: 10-12

MVHS Cross Credit: Science elective

Prerequisite: Must pass Animal Science 1 with a "C" or better in both semesters.

### **BEGINNING FLORAL DESIGN**

**AGR239**

Learn the art of floral design! Prepare for a career in the ever growing special events and floral design business, or explore a new hobby for yourself! Students will learn techniques about the floral and ornamental horticulture industry through hands-on labs and practicing floral arrangements- yours to keep! Other class topics include principles of design, ordering and pricing, marketing skills, customer service, and career exploration. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities and school/community experiences.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Fine & Performing Arts



### **ADVANCED FLORAL DESIGN AGR240**

Further your skills in the floral design industry! Students will continue work in the field of floral design concepts, event planning, and arrangements. Topics will be learned through a combination of classroom and hands-on lab activities, projects, presentations, and field trips. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities, and school/community experiences.

Duration: 1 Semester  
(repeatable credit)

Credits Per Term: .5

Target Population: 10-12

MVHS Cross Credit: Fine & Performing Arts

Prerequisite: "C" or better in Beginning  
Floral Design

### **FOODS 101: FARM TO TABLE AGR272**

Have you always wondered where your food comes from? Could you grow your own at home? Do you know how to be a safe and sustainable consumer? The Foods 101 class will prepare students to be smart consumers using classroom and laboratory instruction that is hands-on. Students will learn the basics of home gardening and livestock production including what you can grow within the city limits. We will also discuss the food system at large from farm to plate, food safety, and keep up with current events. Students will be expected to develop leadership, career development, and service learning activities through class, FFA opportunities, and school/community experiences.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Science elective

### **BEGINNING HORTICULTURAL SCIENCE AGR220 (A) / AGR221 (B)**

Explore the world of plants and the environment! This introductory course will take you through vegetable, fruit and flower production. Class topics include field and greenhouse production, plant processes, plant identification, organic production, and landscape design. Students will gain real life experience through completing a Supervised Agriculture Experience project. Work in the greenhouse and other sites related to plant production will be critical to your grade. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities and school/community experiences.

Duration: 2 Semesters

Should enroll for both  
semesters

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Science elective

### **ADVANCED HORTICULTURAL SCIENCE AGR226 (A) / AGR227 (B)**

Continue your work in the world of plants! This advanced course will further your knowledge of plant production and management skills needed for the Horticulture and Nursery Industries. Students will gain real life experience through completing a Supervised Agriculture Experience project. Work in the greenhouse and other sites related to plant production will be critical to your grade. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities and school/community experiences.

Duration: 2 Semesters

Should enroll for both  
semesters

Credits Per Term: .5 (Repeatable Credit)

Target Population: 10-12

MVHS Cross Credit: Science elective

Prerequisite: Must pass both semesters of  
Horticulture I with "C"  
or better.

**BEGINNING SHOP TECHNOLOGY****AGR317 (A) / AGR318 (B)**

This is a yearlong beginning course that covers metal shop tool identification, material measurement, arc welding, oxy-acetylene welding, brazing and cutting, wire feed welding, residential electrical wiring and plumbing, small gas engines and an introduction to tig welding and plasma cutting. During second semester small project planning and design as well as construction and fabrication of individual projects will be the major focus. This is primarily a lab course in which shop safety will be emphasized at all times. Students will be working in the metal shop so coveralls are required. Students will also be involved in leadership, career development, and service learning activities through class, FFA opportunities, and school/community experiences.

Duration: 2 Semesters  
Should enroll for both semesters

Credits Per Term: .5  
Target Population: 9-12

**ADVANCED SHOP TECHNOLOGY****AGR341 (A) / AGR342 (B)**

This is a continuation of Beginning Agricultural Shop Mechanics with more advanced arc welding, oxy-acetylene welding and cutting, wire feed welding, tig welding and plasma cutting. Students will familiarize themselves with steel and aluminum welding techniques. Computer-Aided Design with the use of a Torchmate Plasma Cutting Table will also be used for students to design and cut out individual metal projects. Small and large scale project design, planning, construction and fabrication will be the major focus during the class. This is primarily a lab course in which shop safety will be emphasized at all times. Students will be working in the metal shop so coveralls are required. Students will also be involved in leadership, career development, and service learning activities through class, FFA opportunities, and school/community experiences.

Duration: 2 Semesters  
*(repeatable credit)*  
Should enroll for both semesters

Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: Must pass both semesters of Beginning Agricultural Shop Mechanics with "C" or better.

**WELDING****AGR219**

This is an introductory course in basic arc welding, oxyacetylene welding and cutting, and wire feed welding. Students will familiarize themselves with steel welding techniques in the flat position. This is primarily a lab course in which shop safety will be emphasized at all times. Students will be working in the metal shop so coveralls are required. Students are also expected to be involved in leadership, career development, and service learning activities through class, FFA opportunities and school/community experiences.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

**METAL ART FABRICATION****AGR344**

Impress your friends and family with your unique artwork! Explore the basics of constructing beautiful metal sculptures for hanging or displaying. You will learn how to use welding and fabrication processes, heat coloring on metal, and techniques for using different types of abrasives. This class is designed to familiarize students with the tools needed, how to safely use them, and most importantly, getting to practice with the tools of an employable trade in a fully equipped shop. Students will be working in the metal shop so coveralls are required. Students are also expected to be involved in leadership, career development and service learning activities through class, FFA and school/community experiences.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Fine & Performing Arts

## *Business & Marketing Education, FBLA/DECA*

### **BUSINESS & PERSONAL LAW**

#### **BED231**

Learn what your rights are as a citizen and as a consumer. We will cover civil and criminal law and the penalties if found guilty while navigating the court system. You have rights as a customer and should know what it means to “sign on the dotted line” with companies and individuals.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 11-12

MVHS Cross Credit: Social Studies

### **BUSINESS & PERSONAL FINANCE**

#### **BED101 (A) / BED102 (B)**

*(This course can count as 3rd year math requirement. See pg. 46)*

This class will help prepare students for financial decisions beyond high school. Students are taught to manage their personal finances in the context of current economic conditions. Students will increase their financial and economic literacy while learning about vital topics such as preparing for the job market, the economy, taxes and tax forms, consumer rights and responsibilities, budgeting, banking, insurance, credit and credit cards, saving and investing.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 10-12

MVHS Cross Credit: Math

### **REAL ESTATE**

#### **MKT245**

A course that prepares individuals to buy, sell, appraise, and manage real property. Includes instruction in land use development policy, real estate law, real estate marketing, procedures, brokerage, property inspection and appraisal, real estate investing, leased and rental properties, commercial real estate, and property management. Careers in real estate professions will be one of the highlights of the course.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 11-12

### **RETAIL STORE MANAGEMENT**

#### *(Bulldog Store)*

#### **MKT257 (Fall) / MKT258 (Spring)**

Apply your business and marketing skills by operating, managing, and maintaining the Bulldog Store. In this course, you will learn about promotion, inventory control, cash handling, customer service, and selling skills through the combination of classroom and hands-on experiences. This class may be taken twice during your high school years; students repeating the class will be assigned specific managerial duties to extend their learning and retail store knowledge.

Duration: 1 Semester

*(repeatable credit)*

Credits Per Term: .5

Target Population: 10-12

Prerequisite: Completion with a “C” or higher in any Marketing Course

### **SALES AND MARKETING / DECA**

#### **MKT232**

Explore the exciting world of business and advertising through hands on experience and Co-Curricular activities provided through DECA. The course allows students to gain employable skills and knowledge of promotion, selling, distribution, pricing strategies, economics and marketing strategies that aid in all business success. Workplace skills and relevant business experiences are integrated into the course.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### **ADVANCED MARKETING MKT234**

Advanced Marketing is an advanced course that is designed to build upon the principles learned in the Sales and Marketing class. Students will develop individual marketing projects based on their personal interests. Class projects will reflect you and your interest in business. You will develop and experience new levels of creativity and produce portfolios that will take you to the next level.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: Sales and Marketing

### **SPORTS, RECREATION, AND ENTERTAINMENT MARKETING MKT240**

This class will use marketing principles to promote the sports and entertainment section of our school and beyond. You will learn about planning, sales, sponsorships, event promotions, scheduling, facilities management, public relations, and more. You will get to create your own marketing management plan, and participate in a pitch fest as a culminating project. This class follows many of the principles of DECA, and club membership is encouraged, although not required.

Duration: 1 Semester  
Credits: .5  
Target Population: 10-12

### **WORK-BASED EXPERIENCE - PAID BED025 (Fall) / BED026 (Spring)**

Students enrolled in these courses can receive work based experience credit for their paid positions in the community. Students enrolled in this course can receive early release or late arrival to work, if taken as a course within the school day. All hours must be documented and students must model and demonstrate punctuality, good communication skills, cooperative work habits and team efforts supportive of the industry and employer. Hold harmless agreements, medical insurance, as well as private transportation and vehicle insurance are required. Work hours must be completed during the semester in which credit is given. **Pass/fail grade.**

180 paid work hours = .5 credit  
360 paid work hours = 1.0 credit

Duration: 1 Semester  
Credits: .5 - 1.0 Credit based on work hrs.  
Target Population: 11-12, must be 16  
Prerequisite: Student must obtain and successfully maintain their paid job in order to earn credit.

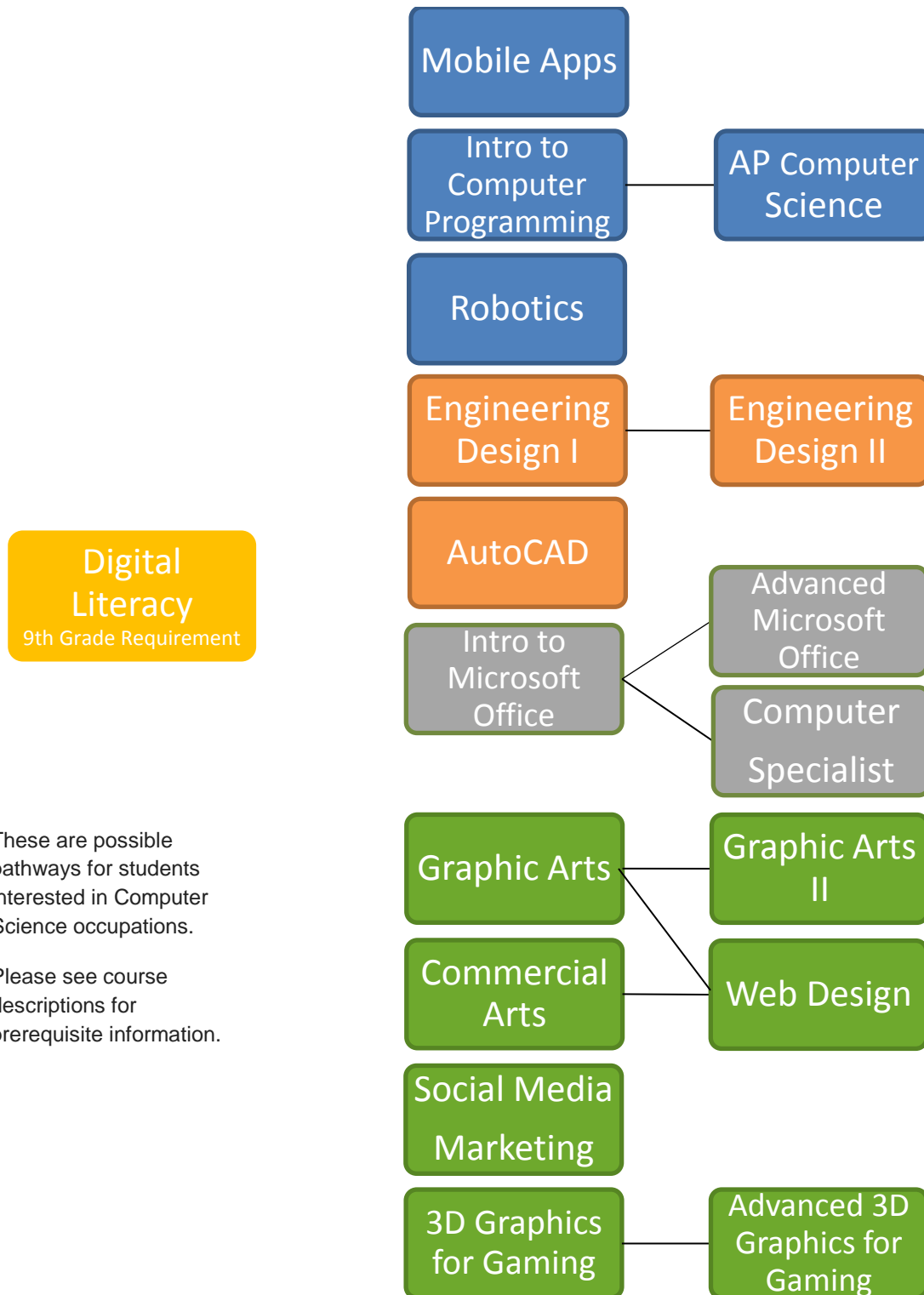
### **SUPPORT SERVICES WORK BASED LEARNING BED900 (Fall) / BED901 (Spring)**

Students enrolled in these courses can receive work experience credit for their paid positions in the community. All hours must be documented and students must model and demonstrate punctuality, good communication skills, cooperative work habits and team efforts supportive of the industry and employee. **Pass/fail grade.**

90 paid work hours = .5 credit  
180 paid work hours = 1.0 credit

Duration: 1 Semester  
Credits Per Term: Based on work hrs.  
Target Population: 11-12, must be 16  
Prerequisite: Instructor Approval

## Computer Science Pathways



These are possible pathways for students interested in Computer Science occupations.

Please see course descriptions for prerequisite information.

*The second course requirement will be offered all year.*

*Students must take one course after Digital Literacy.*

## Computer Science Education

### 3D GRAPHICS FOR GAMING CSE036

Students will explore the aspects of 3D graphics in game design. They will gain knowledge and an understanding of programs and tools necessary for character and game creation. The class will focus on helping students learn how to design and build 3D characters and backgrounds used for game graphics using a variety of software, including Blender. We will also incorporate quality drawing skills used in gaming artwork. Students will have the opportunity to make personal sketchbooks to be utilized for post high school plans in Art & Design for gaming. Emphasis will be placed on 2D and 3D Elements of Art and Principles of Design throughout the course. This class ties in with SKILLS USA and membership is encouraged, although not required.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Fine & Performing Arts

### ADVANCED 3D GRAPHICS FOR GAMING CSE038

Take your 3D skills further as we continue to create characters and more using software such as Blender. We will concentrate on modeling, rendering, rigging, lighting, and animating this semester. You will create an online portfolio to show prospective employers what you can do. Students in this class should be highly organized, self-motivated, and willing to help others to complete projects.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Fine & Performing Arts

Prerequisite: 3D Graphics for Gaming with a "C" grade or better and/or teacher approval

### ADVANCED PLACEMENT COMPUTER SCIENCE CSE024 (A) / CSE025 (B)

Students will be able to design, implement, debug and document computer programs using industry standard programming language while representing information in an object oriented manner. Students will develop problem-solving and computational-thinking skills in the context of learning computer science concepts. Motivated students will be prepared to take the Advanced Placement exam at the end of the year. This course will provide students with the opportunity to earn Advanced Placement College Credit.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9-12

### AutoCAD (COMPUTER-AIDED DESIGN) CSE050

If you like to design products, draw on computers and model your plans, then this is the program for you. Students will use AutoCAD software to learn 2D applications (Motivated students will be exposed to 3D applications including a 3D printer) to create plans. The program offers training in architectural design, and civil graphics. A draftsman is as much an artist as anyone who works in paint or glass. Drafting/CAD students will plot large format engineering designs, model construction projects and create industry standard architectural drawings.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

## COMMERCIAL ARTS CSE030

Discover what it takes to use design software in a way you never knew! You will learn vector-based design software and use it to create several products, ready for promoting in your own sales portfolio. You will create logos, surface design, packaging design, and more. At the end of the semester, you will present your portfolio in the form of a student showcase, just as professionals would do when they are looking to license their designs. This class ties in with SKILLS USA, and membership is encouraged, although not required.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12

## COMPUTER SPECIALIST CSE070

Students will be provided an opportunity to build a computer from component parts, install both windows and Linux operating systems. They will help build a class wide computer network to connect their computers together, and apply their knowledge of computers and software to assist with troubleshooting computer problems. Computer troubleshooting could include, but is not limited to, installation of software, monitor system performance, and hardware installation. Students will manage working relationships with clients and implement employability skills.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12

## DIGITAL LITERACY CSE010 (9th Grade Requirement)

The goal of Digital Literacy is to teach and assess basic computer concepts and skills so that students can use computer technology in everyday life to develop new social and economic opportunities for themselves, their families, and their communities. Digitally literate students will be able to use technology strategically to find and evaluate information, connect and collaborate with others, produce and share original content, and use the Internet and social media tools to achieve academic, professional, and personal goals. Topics include: Digital citizenship, word processing, presentations, spreadsheets, graphic design, keyboarding, Google Classroom, and career development.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: Required 9th grade class

## ENGINEERING DESIGN I & II CSE052 (I) / CSE054 (II)

A course that teaches problem-solving skills using a design development process including an introduction to computer aided design. Creation of three dimensional parametric models, designed products are created, analyzed and communicated using Solidworks computer design software. This program helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes to help students learn how engineers and technicians use math, science and technology in an engineering problem solving process. Students have the opportunity to design and build their engineered concepts with the assistance of 3-D printing. Engineering II students will have the opportunity to explore composites, 3 axis mill operation and actual production of fun things to build like skateboards and small models. This course allows students to test and receive MTAG Certification.

Build boats, skateboards, etc. with composite materials.

Exploring the marine technology manufacturing industry.

Duration: 1-2 Semesters  
Credits Per Term: .5  
Target Population: 9-12  
Engineering II Prerequisite: Completion of Engineering Design I with a "C" grade or better

## GRAPHIC ARTS I IAS062

See course descriptions under Career & Technical / Visual/Audio Communications – Pg. 28

## GRAPHIC ARTS II IAS063

See course descriptions under Career & Technical / Visual/Audio Communications – Pg. 29

### **INTRODUCTION TO COMPUTER PROGRAMMING CSE020**

This course focuses on the general writing and implementation of generic and customized programs to drive operating systems and will prepare individuals to apply methods and procedures of software design and programming, software installation and maintenance. This course includes instruction in software design, program languages and coding, customizing programs and linking programs to specific applications, troubleshooting and will explore operating systems and networks.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12

### **INTRODUCTION TO MICROSOFT OFFICE CSE060**

Create resumes and application materials, track your money for post high school, and present your ideas to those around you. Students will have the opportunity to become certified in Word, Excel, and PowerPoint, which can be used on personal resumes and increase job opportunities.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12

### **ADVANCED MICROSOFT OFFICE CSE062**

Use the Microsoft Office programs to take charge of your money, create interactive documents, market companies, and communicate with others. Develop effective communications and track your schedule using Outlook. Students will have the opportunity to become certified in Word Expert, Excel Expert, and Outlook.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: Introduction to Microsoft Office

### **MOBILE APPS CSE022**

Technology is everywhere. Learn how to take control of your mobile devices by designing, developing, and integrating apps into your life by creating interactive games and apps that will solve real world problems. Utilizing user-feedback you will discover how market-demand will impact your design and marketing strategy.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12

### **ROBOTICS FOUNDATIONS IAS067**

*See course descriptions under Career & Technical / Technology Education – Pg. 24*

### **ROBOTICS II IAS068**

*See course descriptions under Career & Technical / Technology Education – Pg. 24*

### **SOCIAL MEDIA MARKETING CSE034**

A program that focuses on the power and philosophy of social media in marketing. Concepts to be covered include the changing context of how social media is changing media, business, development, and government fundamentally, use of social media tools, and use of filters. Includes instruction in use of social media within organizations, including relationship building, creation of content, and policy concerns.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12

### **WEB DESIGN CSE032**

We will design and create personal web pages and websites using online templates and apps, and recognize the use of HTML5 and CSS3. We will understand the role of webmaster, and what it means to communicate with clients. We will also learn basic skills, such as photography, photo editing, logo design, and copywriting, as they apply to a web design career. This class is project-based, and we will work with real life clients when we can. This class ties in with SKILLS USA and/or DECA and membership is encouraged, although not required.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12



## *Family and Consumer Science, FCCLA*

### **CAREERS IN EDUCATION**

#### **Recruiting Washington Teachers HEC150**

This year long class will be offered to Juniors and Seniors who are interested in a pre-teaching experience through the tutoring of students at our district's elementary and middle schools. First semester, students will learn a strong foundation of skills that will prepare them to be effective tutors/employees in our district schools. Second semester, students will be linked with elementary/middle school teachers and will work cooperatively to assist students with their class work. Every three weeks students will reflect and share their experiences in a group setting to further investigate effective teaching strategies. Students should be interested in a career in education either as a teacher, para-educator, or preschool worker. Students must also be interested in learning diversity, cultural awareness and improvement through social justice.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11-12  
Prerequisite: Teacher permission

### **CAREERS IN EDUCATION PRACTICUM**

#### **HEC151**

Students will be linked with elementary/middle school teachers and will work cooperatively to assist younger students with their classwork thus fulfilling the Careers In Education internship. Students will need to provide transportation or walk to their designated schools. Students complete 4-5 seminars throughout this semester.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11-12  
Prerequisite: 1 semester of Careers in Education OR Child Development AND Early Childhood Education ("C" grade or better)

### **CHILD DEVELOPMENT**

#### **HEC210**

In this course, students will study how children grow and develop from birth to age eight. Other topics covered include prenatal development, birth defects, parenting, child abuse, health/nutrition, and accident prevention. Students will also get a chance to interact with children through observations. In addition, students who successfully complete this course will have the opportunity to obtain industry based Child Care Basics (STARS) certification necessary for employment in a childcare setting. This course is a prerequisite for Early Childhood Education (also known as Little Friends Preschool). Completion of Child Development and Early Childhood Education with a "B" or better can earn students the ECED Initial Certificate (equivalent to the Child Development Associate (CDA)).

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12  
MVHS Cross Credit: Social Studies

### **FAMILY SYSTEMS**

#### **HEC180**

Have you ever wondered why your family is the way it is? Are you curious to learn why other families are different from yours? Are you considering a career working with children and families? Family Systems is the class for you! Family Systems will focus on the significance of family and its impact on the well-being of individuals and society. In this course you will examine dynamics of a healthy family using family theory, individual life span development, research, and active learning experiences. The family is studied as a unit in regards to relationships, development, social class, ethnicity, race, gender, various family systems and structures, and broader cultural influences. Students will be able to demonstrate an appreciation for diverse perspectives, needs and characteristics of individuals and families. The course includes instruction in related principles of sociology and psychology.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11-12

**BEGINNING FOODS****HEC200**

Students will explore the fundamentals of cooking as they learn the basics of food preparation for daily living. Time management, recipe reading, nutrition, budgeting, and food safety and sanitation are emphasized. Students will also be required to pass the Washington State Food Handler's Test. The class is lab based focusing on the basics of cooking in addition to teaching team building, and problem solving activities to enhance student learning through the use of food.

Duration: 1 Semester (no repeats)  
 Credits Per Term: .5  
 Target Population: 9-12

**ADVANCED FOODS****HEC204**

This course exposes students to skills needed for advanced food preparation and a possible career in food production and services. Students learn a variety of advanced cooking techniques and styles through hands-on preparation in the foods lab as we work our way through menu planning and recipe selection. Students explore and prepare cuisine from different countries and ethnic regions, as well as acquire culinary skills in baking and pastry. The class is lab-based focusing on plating and presentation in addition to team building, and problem solving activities to enhance student learning. Field trip fees apply when applicable.

Duration: 1 Semester (no repeats)  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Beginning Foods

**HEALTH****HEC030**

*(Health or Health Science is required for graduation)*

Students will have the opportunity to exam all body systems including reproductive anatomy, mental health, and human sexuality using medically-accurate, age appropriate, and inclusive curriculum. Students will be looking into behaviors that will develop lifelong positive attitudes and make wise decisions related to their personal health. Students who receive a B or better will obtain 2 credits for Health Science at Skagit valley College, PE 200.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 10

**HEALTH SCIENCE****SCI203 (A) / SCI204 (B)**

*See course description under Science - Pg. 55*

**LIFE AFTER HIGH SCHOOL****HEC208**

Interested in moving out of your house and into a successful life on your own? This course will cover how to make the transition from high school to independent living. Students will learn about career planning and preparation including resumes, cover letters, job interviewing skills, and professional dress. Students will also learn basic personal finance skills such as credit and debt, how to use your income to pay for affordable housing, how to pay household bills, and how to shop and pay for a car. This class focuses on real-life scenarios and teaches you how to live a successful life after high school.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 12

**EARLY CHILDHOOD EDUCATION**

*(Little Friends Preschool)*

**HEC212**

Do you enjoy working with children? Have you considered a job working in a childcare center or teaching children? This course provides students with an opportunity to gain hands-on experience preparing learning activities and teaching preschool-aged (3-5 year old) children in our on-site Little Friends Preschool. Must successfully complete Child Development to enroll in this course. Completion of Child Development and Early Childhood Education with a "B" or better can earn students the ECED Initial Certificate (equivalent to the Child Development Associate (CDA)).

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Child Development

**NUTRITION**  
**HOC200**

This course covers basic principles of nutritional science, chemical composition of foods, digestion, absorption, and metabolism. Additional topics covered include: 6 essential nutrients, consumer choices, and global food chain. It will emphasize wellness as a conscious effort to obtain an optimum lifestyle of physical and emotional well-being through positive self-image, physical fitness, and proper diet.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12  
MVHS Cross Credit: Science Elective

**PERSONAL CHOICES**  
**HEC179**

This course is open to students who are interested in exploration of all areas of Family and Consumer Sciences. Classroom activities and lab experiences will include such topics as: goal setting, foods and nutrition, child development, interior design, and beginning sewing. Learning is hands-on as students will have the opportunity to complete a unit in the foods lab and finish introductory sewing tasks.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-10

## *Sports Medicine*

### **MEDICAL TERMINOLOGY I & II**

**HOC110 (I) / HOC111 (II)**

This course is designed to assist the health science, health occupations, and science student in learning the complex terminology used in the medical profession. The course will focus on training students to understand the terminology used in medical and health services. Students will be instructed in the basic rules for using word parts to form medical terms. Through the use of phonetic pronunciation, the students will apply medical terminology. The course will enhance anatomy and physiology, reading and interpreting medical research and documentation, and translate medical material to conversational language. Encouraged for students whose pathway involves health science.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12

### **SPORTS MEDICINE I**

**HOC100 (A) / HOC101 (B)**

Sports Medicine combines course work with practical hands-on application to prepare students for occupations in healthcare, fitness, and sports medicine careers. Using classroom instruction and hands-on experience, students learn prevention, management, and rehabilitation of injuries and illnesses. In-depth study includes functional anatomy, exercise physiology, biomechanics, and exercise science. Two (2) credits can be earned each year, one for class time, and one for completion of practical experience in the field of interest or working with MVHS athletes. Practical credit is highly recommended with class credit, but not required.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12  
MVHS Cross Credit: Science elective

### **SPORTS MEDICINE - ADVANCED**

**Second Year: HOC104 (A) / HOC105 (B)**

**Third year: HOC106 (A) / HOC107 (B)**

Advanced Sports Medicine continues in-depth study of functional anatomy, exercise physiology, biomechanics, and exercise science in specific injuries and illnesses of athletes. Also included is nutrition, modalities, and sports psychology. Two (2) credits can be earned each year, one for class time, and one for completion of practical experience in the field of interest or working with MVHS athletes. Practical credit is recommended with class credit.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 11-12  
MVHS Cross Credit: Science elective  
Prerequisite: Must pass both semesters of Sports Medicine I with "B" or better.

### **SPORTS MEDICINE LAB / PRACTICUM I**

**HOC102 (Fall) / HOC103 (Spring)**

The Lab/Practical experience allows the student the opportunity to learn and process academics from within the classroom and apply it while interning with high school sports teams or local physicians and clinicians in a hands-on setting. Practical skills include taping, wrapping, bracing, basic first-aid and emergency procedures, etc.

Duration: 1 Semester  
Credits Per Term: .5 Lab Credit = CTE only  
Target Population: 10-12

Sports Medicine Practicum is an encouraged optional credit in addition to class and cannot be taken without enrollment in the Sports Medicine class. Practical time is after school during Period 9.

## Technology Education

### POWER TECHNOLOGY & MECHANICS

IAS105

Students learn general theories and troubleshooting techniques for working on 2 & 4 stroke engines. They will diagnose and test various engine components as they learn theories of operation and principles of mechanics and physics. Components include brakes, transmissions, tune-up, starters, alternators, and carburetors. Topics worked within the shop are: electricity/ magnetism, pressure, heat transfer, aerodynamics, energy types, fluid power, ratios, and precision measuring.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### ROBOTICS FOUNDATIONS

IAS067

This one-semester course will integrate Science, Mathematics, Communication, and Technology concepts to familiarize students with the ever-changing world of Robots. We will begin with some simple electronics then, build a robot from a kit. We will explore robotics on four separate levels. Parallax System; uses the simple microcontroller; Basic Stamp, and a Basic programming language to create a simple robot. We will follow the Parallax systems with Lego Mindstorms. Mindstorms uses an icon based (click-and drag) programming system to program robots to react to their environment. While Mindstorms can also be used for Tetrax Robots, we will use RobotC, a C++ based language developed by Carnegie Mellon University specifically for robotics. Finally students will research careers related to robotics.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### ROBOTICS II

IAS068

Robotics II will begin where we left off with Tetrax robots and refine their systems and motion with more sensors and more complicated maneuvers. When we've learned all we can about the Tetrax system, we will dig into the VEX Robotics Systems, we will combine RobotC for autonomous radio controlled running, and finally, students will research careers related to robotics.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

Prerequisite: Completion of Robotics Foundations with a "B" grade or better.

### TECH FOUNDATIONS

IAS398

This course provides a basic foundation to students interested in Technology. Topics include engineering careers, computer design, repair-related applications, manufacturing technology composites, and power mechanics. This course teaches basic applications associated with mathematical careers. Student leadership activities through SKILLS USA are integrated into the course. Included in this course are: designing and building bridges, towers, and trusses, constructing gravity and mechanical powered vehicles (CO2), displaying hand and machine communication systems, designing and building electronic and mechanical devices, and exploring history and careers in technological related fields.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

**WOODSHOP ENGINEERING**  
IAS076

A course that prepares individuals to apply technical knowledge and skills to work with wood; assemble wooden articles or subassemblies; mark, bind, saw, carve, and sand wooden products; repair wooden articles, and use a variety of hand and power tools. This course will integrate Science, Mathematics, Communication, and Technology concepts to familiarize students with real world applications of their school lessons. Students start with simple products, such as puzzles and children's toys and may work up to larger products such as furniture. Students learn types of wood and their characteristics, bonding/adhesion, and finishes. Students will also master a wide variety of power woodworking tools.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12

**INTRODUCTION TO CONSTRUCTION TRADES**  
IAS077

This course teaches students occupational skills in the areas of carpentry, plumbing, and electrical. It is designed to give students basic entry level skills in construction, drywall, and related trades, along with an overview of career opportunities available. Students can learn such skills as: plumbing a toilet, wiring a light fixture, building a deck, and patching a wall.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12

## *Transportation & Human Services*

### **AMERICAN SIGN LANGUAGE I, II, & III**

**I - HEC300 (A) / HEC301 (B)**

**II - HEC302 (A) / HEC303 (B)**

**III - HEC304 (A) / HEC305 (B)**

The American Sign Language (ASL) program of study prepares students for college level training and eventual careers as Sign Language Interpreters. In this program, students learn American Sign Language skills to communicate with members of the Deaf community by learning to “listen” with their eyes, and use their eyes, face, hands and body to communicate. The ASL program courses also satisfy the world language requirement for four-year college/university admissions.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9-12

### **AVIATION**

**IAS020**

Fundamentals of Aviation Science: This course is designed to encourage interest and appreciation for aviation (while supporting needed local and state occupational training through CTE programming). This course aligns with multiple career clusters (including: Transportation/Distribution/Logistics and Science/Technology/Engineering/Math). Topics to cover include; history of flight and aviation, airplane and helicopter flight aerodynamics, evolution of aircraft components, meteorology, Air Traffic Control, aviation career options, aviation technology and industry, and aerospace terminology.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 10-12

### **BOATING SKILLS AND SEAMANSHIP (BOATING)**

**IAS030**

Washington State is a powerhouse for the maritime industry with its thousands of miles of shoreline, recreational lakes, and rivers. This beginning boating class will give students the knowledge needed to obtain a boat license and a safety certification. Topics include an introduction to boating, boat safety equipment, safe boating, boating law, boating problems, navigation, types of boating, and an introduction to marine engineering.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### **CAREERS IN EDUCATION**

**HEC150**

*See course description under Career & Technical / Family and Consumer Science – Pg. 20*

### **CRIMINAL JUSTICE**

**IAS080**

Curriculum areas related directly to the criminal justice career field will include: crime and its victims, forensics, criminal law and procedure, police and police work, corrections, juvenile justice, solutions, current events, and legal practices. This course is designed for the serious student who has investigated the justice field and currently wants to make a career in the criminal justice area. A professional Law Enforcement Officer will teach this course.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 11-12

MVHS Cross Credit: Social Studies

### **HEALTH CARE CAREERS HOC150**

A general introductory course in health sciences that includes an overview and exploration of a variety of health care careers in each of the five Health Care Career Pathways. For each career they study, students examine the main tasks and challenges of professionals in that career, the treatments they administer, and the interaction those professionals have with other professionals. Where possible, students do authentic hands-on work that a professional would do. Topics include the foundation health science standards. Related mathematic and language arts standards will be reinforced.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12

### **INTERPRETATION/TRANSLATION, Spanish-English HEC250**

Students in this course will train to put their knowledge of both the English and Spanish languages into practice as translators and interpreters. The course is designed in accordance with the standards and assessments used by The American Translators Association and the Professional Language Certification program offered by the DSHS. The primary focus of the course will be on the development of the linguistic ability necessary for translators/interpreters in vocational settings such as medicine, law, education, finance, and media. There will be a secondary focus on literary/artistic translation and interpretation as well. Students will be prepared to take the DSHS Language Certification Examination to receive certification as a DSHS Translator and Interpreter.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12

### **INTERPRETATION/TRANSLATION PRACTICUM HEC251**

Students will complete an internship in a local elementary school or approved business, where they will receive practical, hands on experience. Parents/students will need to provide transportation to mentor site. Students will complete 4-5 seminars throughout the semester.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: Interpretation/Translation  
("B" grade or better)



## Visual/Audio Arts

### AUDIO ENGINEERING & STUDIO PRODUCTION

IAS054

Do you like making music? Even if you don't know how to play an instrument, this course is for you. Audio Engineering focuses in on using Ableton Live to compose and master MIDI music as well as audio created in our very own MVHS recording studio. Our classroom provides a "learn at your own pace" environment in which your creative skills have a chance to grow as you learn to use professional level software and equipment in a supportive environment.

Duration: 1 Semester

Credits: .5

Target Population: 9-12

### CREATIVE ARTS

IAS040 (Fall) / IAS041 (Spring)

Join us for an exciting journey in the creative process. Express yourself through creative exploration and manipulation of line, shape, form, color, texture, space, and value. Explore, create, and critique different types of 2D and 3D art works. Draw and design 2D and 3D art, and implement your ideas with a variety of art mediums and materials. Further your knowledge and skills in the area of design and art, and explore the possible career opportunities. We will also take a glance at the history of art, and through class projects, discussions, and critiques, gain insight as to what makes successful engaging art.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Fine & Performing Arts

### DIGITAL PHOTOGRAPHY

IAS074 (Fall) / IAS075 (Spring)

Students will explore the world of Digital Photography and focus on composition, layout, lighting and perspective. They will also incorporate the Elements of Art and Principles of Design into their work. Students will practice their skills with multiple field and class assignments including portraits, landscapes, animals, abstract, motion, micro and macro photography. This basic photography class is intended for individuals who want to learn the basics of photography, but also take it to a new level for either hobby or professional use. Photo manipulation, enhancement, and experimentation will also be incorporated into the class. Students will be encouraged to participate in local, regional, and national photography contests and have the opportunity to publish a book of their work if they so choose. They will also have the opportunity to compete with Skills USA in photography competitions. This class may be used for a CTE elective or a Fine Arts credit. It helps if you have your own camera, but it is not a requirement for the class.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Fine & Performing Arts

### GRAPHIC ARTS I

IAS062

Students will learn about advertising, layout, typography, color schemes, design orientation, and use Photoshop Adobe Creative Suite CS skills to make unique creations. Skills will be taught using a "hands-on" learning approach. The basic elements of art and principles of design will be introduced and combined with Photoshop techniques to produce professional looking graphic designs and materials. These advertising/ promotional pieces may include such things as logos, brochures, posters, and product packaging designs. Basic digital photography will also be introduced. It is helpful to know basic computer skills and file management before taking the class. Students have the opportunity to be involved in advertising and design competitions.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

MVHS Cross Credit: Fine & Performing Arts

## GRAPHIC ARTS II IAS063

This class will take what you've learned in Graphic Arts I to a new level. We will work on graphic design projects in Adobe Design Premium CS to include creating Vector based logs using Illustrator with real world applications for the school and local community, including state and nationwide design contests. Student/client contact is built into the class to simulate a practical studio experience. The basic elements of art and principles of design will be reviewed and applied to create images for print and web design. Students will be able to build a portfolio of their work to use for future applications and self-promotion in the workplace. Digital photography will be available to enhance graphic imaging.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: Graphic Arts I  
 MVHS Cross Credit: Fine & Performing Arts

## SKAGINA - MVHS YEARBOOK IAS070 (A) / IAS071 (B)

**Students must apply to be in this class. Please see Mr. Hornbacher in CTE4 for details.**

Students selected to be on the yearbook staff are highly motivated students interested in producing a high quality historical document. Most of the students have an understanding of Photoshop and are expected to learn InDesign as the year progresses. These students learn advanced level skills in both Photoshop and InDesign with the end goal being to publish the school's yearbook. Students are given individual beginning to advanced photographic tutoring as their skills increase over the year.

\*Good work ethic is a must. Photoshop skills advised but not required. Great emphasis is placed on learning solid photography skills. Skagina staff is required to volunteer to photograph some dances and school events throughout the year.

Duration: 2 Semesters  
 Credits Per Term: 1.0 1st Semester /  
 0.5 2nd Semester  
 Target Population: 9-12  
 Prerequisite: Teacher Permission  
 MVHS Cross Credit: Fine & Performing Arts

## VIDEO PRODUCTION IAS050

This course is designed to teach the fundamentals of video editing and creation. Projects include commercials, editing actual movie footage, sound editing, script writing and creation of a video project in black and white. Students will learn editing techniques, cameras, lighting uses, and audio recording on state-of-the-art production equipment. If you have ever wanted to know how T.V. is done, take this class. No experience needed.

Duration: 1 Semester  
 Credits: .5  
 Target Population: 9-12  
 MVHS Cross Credit: Fine & Performing Arts

## MVHStv IAS051

Be a part of MVHStv! This course is designed to build upon the skills learned in Video Production. Students are responsible for creating the content that is shown on MVHStv. While Video Production is not a prerequisite, at this time, students are strongly encouraged to take that class first before taking MVHStv. Students who are interested in journalism and reporting on the events throughout the school year are strongly encouraged to take this class.

Duration: 1 Semester  
 Credits: .5  
 Target Population: 9-12  
 MVHS Cross Credit: Fine & Performing Arts

# English

## ENGLISH 9\*

ENG028 (A) / ENG029 (B)

(or English 9 Honors required for graduation)

English 9 is a comprehensive, in-depth course geared to improve students' English Language literacy through reading, writing, discussion, and close studies of literature. Readings include Shakespeare, short stories, non-fiction, poetry, novels, and independent reading. Writings include a variety of styles and techniques using vocabulary and grammar of standard English. Speaking/Listening opportunities include short presentations, class discussion, and group work. Assignments are designed around the Common Core State Standards with a focus on preparing students for college and career readiness.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9

\* A student who fails either semester of English 9 may later see that failing grade change to a Passing grade (P or D) if he or she has passed three semesters of higher level English courses with a C or better.

## ENGLISH 9 HONORS

ENG038 (A) / ENG039 (B)

Honors English 9 is a comprehensive, in-depth course geared for students interested in challenging themselves to a rigorous program of reading, writing, discussion, and close study of literature. Works will include Homeric and Classical Greek, Medieval and Renaissance England, 18th Century France and Victorian England, and modern European and American poetry.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9

## ENGLISH 10

ENG048 (A) / ENG049 (B)

(or English 10 Honors required for graduation)

This year-long course will continue students' mastery of the ELA Common Core State Standards using a range of literary and informational texts: *Of Mice and Men*, *Night*, *The House on Mango Street*, *Hamlet*, and others. These anchor texts will be used to develop students' analysis and narrative writing, collaboration, presentation, and academic conversation skills. Each semester will culminate in a comprehensive presentation using content and skills from throughout the coursework.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 10

## ENGLISH 10 HONORS

ENG058 (A) / ENG059 (B)

This year-long course aligns with the English 10 curriculum. The distinguishing factors are the length and complexity of the course texts along with the requirement of completing reading and assignments outside of class time. Students will have a difficult time passing the course if they do not commit to doing work outside of class. Texts include *Black Boy*, *To Kill a Mockingbird*, *Night*, *Frankenstein*, *The House on Mango Street*, *Hamlet*, and others.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 10

## ENGLISH 11

ENG078 (A) / ENG079 (B)

(or English 11 Honors required for graduation)

Students will continue growth in literacy skills including reading, writing, speaking, and listening skills using a range of print and non-print texts including *Like Water for Chocolate* by Laura Esquivel and *The Great Gatsby* by F. Scott Fitzgerald. We will also read short stories such as *Just Lather and Hills Like White Elephants*. Assignments are designed around the Common Core State Standards with a focus on preparing students for college and career readiness.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 11

## ENGLISH 11 HONORS ENG088 (A) / ENG089 (B)

Students who want to challenge themselves with advanced pacing and college preparatory expectations will enjoy this rigorous program intended to inspire growth in literacy skills including reading, writing, speaking, and listening using a range of print and non-print texts from the American literature canon as well as texts from all over the world including *Like Water for Chocolate* by Laura Esquivel, *The Great Gatsby* by F. Scott Fitzgerald, and Shakespeare's *The Tempest*. Assignments are designed around the Common Core State Standards with a focus on preparing students for college and career readiness. Independent reading outside of class is required.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 11

## ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION ENG494 (A) / ENG495 (B)

In this college-level course, students read, analyze and write critically about literature. Students are expected to complete the summer reading/writing assignments as part of the course. Students are encouraged to take the College Board AP exam in May, and may be eligible for college credit for passing. It is strongly recommended that students take English 9 Honors, English 10 Honors, and English 11 Honors as prerequisites.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 12  
Prerequisite: Teacher Signature

## CREATIVE WRITING AND PUBLICATION ENG251

Students will write original short stories using the elements of character development, plot, setting, point of view, theme, voice, and tone. There will be opportunities to analyze short story works, develop writing style, and share ideas through a workshop setup. Students will practice all five stages of the writing process with each piece of writing. Students will develop a writer's portfolio over the course of the semester to demonstrate their growth as an author.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 12  
Prerequisite: English 11 or English 11 Honors

## INTRO TO DEBATE ENG500 (A) / ENG501 (B)

Students develop the skills of research, analysis, and oral presentation through varied public speaking activities. Students will research then present arguments in varied debate formats. Students may also develop interpretive speech events for competition. Students will be encouraged to participate in debate related events in the larger community.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12

## ADVANCED DEBATE ENG502 (A) / ENG503 (B)

Students hone the skills of research, analysis, and oral presentation through varied public speaking activities. Students will research then fine tune the art of presentation and argument through several debate formats. Students may also refine interpretive speech events for competition. Students will develop advocacy and leadership skills through student led and team projects to support debate in the larger community.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: Intro to Debate or Teacher Signature

## HEROIC & EPIC LITERATURE I & II ENG255 (I - Fall) / ENG256 (II - Spring)

Students will read, write about, and discuss literature containing heroic and epic elements throughout a variety of literary forms and eras. Major works studied 1st semester may include *The Star Wars Trilogy* by G. Lucas and *The Lord of the Rings* by J.R.R. Tolkien. Major works studied 2nd semester may include *The Count of Monte Cristo* by A. Dumas, *Les Miserables* by V. Hugo, and *The Legends of Robin Hood* by various authors. Students will enhance their reading, writing, vocabulary, critical thinking, and communication skills through discussions, presentations, written responses, and projects.

Duration: 1-2 Semesters  
Credits Per Term: .5  
Target Population: 12

### **MEDIA AND INFORMATION LITERACY ENG320**

This course begins by introducing students to the elements of digital and print media with a focus on how the media is created, its purpose, and its influence on the media user (media literacy). Then the course delves deeper into information problem solving by analyzing and using a process to solve information problems as they relate to research and classroom assignments in general (Information Literacy). This course is designed to prepare students for the use of information in high school and college.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 12 (11 by permission of instructor)

### **PHILOSOPHY & LITERATURE ENG118**

This course examines the big questions such as What is real?, What is good?, What is knowledge?, What is truth?, What is the nature of life?, Is there a supreme being?, and How do these questions apply to me? Experts from a wide range of philosophical novels, essays, poems, memoirs, and films will guide our discussions. Each student will choose one major philosopher to research for a “Meeting of the Minds” summit, the major project for the semester.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11-12

### **POETRY ENG253**

This class will take you on an intense look into the resplendent world of poetry. Students will write, recite, create, relate, reduce, deduce, pontificate, extrapolate, scrutinize, eulogize, realize, visualize, rap, snap, and make it hap... Students will examine a variety of poems, poets and methods used to create poetry. Students will explore their own writing voice and apply techniques to their personal collection of poetry. Students will produce an anthology of poetry for this class. Classic and contemporary poetry will be covered.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 12

### **READING & WRITING ABOUT CLASSIC FILM ENG454**

Students will undertake a rigorous study of American and foreign films including such classics as *Casablanca*, *Citizen Kane*, *Seven Samurai*, and *North by Northwest*, among others. Because this is a college-oriented composition class involving intensive writing and reading, students are required as a prerequisite to have successfully completed either English 11 or English 11 Honors. During the course, we shall consider film via a variety of critical lenses including archetypel, psychology, historical period, and several critical theories.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 12  
Prerequisite: Successful completion of English 11 or English 11 Honors

### **ENGL 101 – English Composition I RESEARCH PAPER / CHS CHSENG**



This is a college preparation course focused on writing and researching. In it, students will study the fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays. Students will complete a major research assignment that includes a Review of Literature and Call to Action. Students will learn key researching and writing skills that will support their understanding and implementation of college level writing.

**Students have the option to register for 5 credits at Skagit Valley College. A tuition fee will be applied for the college credits.**

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 12  
Prerequisite: Successful completion of English 11 or English 11 Honors

**SPEECH AND COMMUNICATION****ENG197**

Students will develop confidence within a supportive “team” classroom atmosphere and will learn interviewing methods, organized writing skills, presentation/public speaking techniques, and watch their confidence grow with each speech. Students will leave with valuable communication skills that they can use the rest of their lives.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 12

**ENGLISH I, II, III, IV**

**I – ENG910 (A) / ENG911 (B) EXTENDED**

**II – ENG912 (A) / ENG913 (B) EXTENDED**

**III – ENG904 (A) / ENG905 (B) EXTENDED**

**IV – ENG906 (A) / ENG907 (B)**

Each section of English is designed to provide students with reading and writing instruction specific to their need. Students are assessed for skill level and then given intense, individual instruction to enable the student to progress through the content as quickly as he/she can while still maximizing learning. Instruction will include intervention in phonics, fluency training, comprehension strategies and vocabulary building skills.

Duration: Unlimited - Mastery Learning  
 Credits Per Term: .5 (1.0 for Extended)  
 Target Population: 9-12  
 Prerequisite: Instructor Approval

# English Language Development

## ELD I EXTENDED TIME

ESL101 (A) / ESL102 (B)

This course is designed for English Language Learners (ELLs) with minimal English language skills. Students will develop their speaking and listening skills, and begin to read and write in English. Students will practice English conversations, learn vocabulary, and improve their pronunciation and fluency. Students will begin to read texts that foster academic language development..

Duration: 2 semesters  
 Credits per term: 1.0 (.5 English/.5 Elective)  
 Target Population: 9-12  
 Prerequisite: ELD Teacher/Counselor  
 signature

## ELD II EXTENDED TIME

ESL104 (A) / ESL105 (B)

This course is designed for the ELLs with at least one year of ELD classroom experience. Students will continue to develop their English speaking and listening skills, and improve their reading and writing. Students will read informational texts that foster academic language development.

Duration: 2 Semesters  
 Credits Per Term: 1.0 (.5 English/.5 Elective)  
 Target Population: 9-12  
 Prerequisite: ELD Teacher/Counselor  
 signature

## ELD III

ESL107 (A) / ESL108 (B)

This course is designed for ELLs with at least two full years of ELD classroom experience. Students will further develop their English speaking and listening skills, and improve their reading and writing. Strong emphasis will be placed on reading comprehension tasks that foster academic language development.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: ELD Teacher/Counselor  
 signature

## ELD STUDY LAB

ESLMIF (Fall) / ESLMIS (Spring)

In this tutorial lab, students will receive individualized instruction based upon their academic needs. Students will monitor their own progress on A.I.M.S. and learn study skill strategies such as setting S. M.A. R. T. goals. Juniors and seniors will also receive culminating project support.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: ELD Teacher/Counselor  
 signature

## TRANSITIONAL ENGLISH LANGUAGE

### DEVELOPMENT I

ESL001 (A) / ESL003 (B)

This course is designed for ELLs who have had 3 or more years of ELD classes. The course focuses on vocabulary acquisition, reading comprehension, and writing skills. Students will read a variety of genres, and the course will help prepare them for the state exam. Strong emphasis will be placed on reading comprehension tasks that foster academic language development. Students will develop their expository and argumentative writing skills.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: ELD Teacher/Counselor  
 signature

## *Fine Arts*

### **3D GRAPHICS FOR GAMING**

CSE036

*See course description under Career & Technical / Computer Science Education – Pg. 17*

### **ADVANCED 3D GRAPHICS FOR GAMING**

CSE038

*See course description under Career & Technical / Computer Science Education – Pg. 17*

### **ACTING I**

ACT001

Students will practice the craft of acting through exposure to acting techniques including movement, voice, concentration, objectives, improvisation, and the use of scripted material. As the final project for the term, students will produce one-act plays.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### **ACTING II**

ACT002

A more intense study of acting will be combined with practical experience in playwriting, preparation, and performance. Students who take advanced acting will participate in advanced level improvisation, memorize and perform published scenes, and create original theatrical pieces for “Friday Free Theater”, a public performance for their peers.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

Prerequisite: Acting I and Teacher permission

### **ADVANCED ART**

ART003

Students who have demonstrated a serious interest in art will design, develop, and display a portfolio of original artwork. Two and three dimensional media will be explored. Knowledge and skill in the elements and principles of design is required. Students will increase their ability to produce, critique, and value art. Through personal interest, self-motivation, and direction from the instructor, the student will be encouraged to discover the possibilities of creative problem-solving. Please note this upper-level course requires a nominal studio fee for materials usage of \$20.00 per student (due by 3rd week of class). Students also may be required to show their work in a gallery setting.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 11-12

Prerequisite: “B” grade or better in Drawing and Painting, Ceramics, or by teacher Permission

### **CERAMICS / 3-D ART**

ART007 (Fall) / ART008 (Spring)

Students will gain an understanding of the history and 3-D design predominantly using clay. Skills and concepts will be developed in hand and wheel-built ceramics. Students will learn the techniques in decoration glaze. They will have a number of functional and sculptural ceramic pieces at the completion of the class. Please note this upper-level course requires a nominal studio fee for materials usage of \$20.00 per student (due by 3rd week of class).

Duration: 1 Semester

Credits Per Term: .5

Target Population: 10-12

Prerequisite: “B” or better in Fundamentals of Art I



**CREATIVE ARTS**

IAS040 (Fall) / IAS041 (Spring)

*See course description under Career & Technical / Visual/Audio Arts - Pg. 28***DIGITAL PHOTOGRAPHY**

IAS074 (Fall) / IAS075 (Spring)

*See course description under Career & Technical / Visual/Audio Arts - Pg. 28***DRAWING AND PAINTING**

ART005 (Fall) / ART006 (Spring)

Students will explore in depth various media and concepts in the production of drawing and painting. The visual language will be understood through the exploration of the elements of art and the principles of design. Students are required to complete many sketch book assignments in addition to work assigned in class. Please note this upper-level course requires a nominal studio fee for materials usage of \$20.00 per student (due by 3rd week of class).

Duration: 1 Semester

Credits Per Term: .5

Target Population: 10-12

Prerequisite: "B" or better in  
Fundamentals of Art I or  
permission from instructor

**BEGINNING FLORAL DESIGN**

AGR239

*See course description under Career & Technical / Agriculture Education - Pg. 11***ADVANCED FLORAL DESIGN**

AGR240

*See course description under Career & Technical / Agriculture Education - Pg. 12***FUNDAMENTALS OF ART I**

ART011

This course allows students to explore a variety of art media. Students will focus on many aspects of book arts, print making, drawing, and painting. It is a great course for students who wish to explore the wonders of art in a variety of media. Students will continue to further develop their technical skills and knowledge about the elements and principles of art using materials to create 2-D work. Assignments will encourage students to build problem-solving skills by working with many art media. All students will construct a journal/sketchbook for practice and assignments.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

**GRAPHIC ARTS I**

IAS062

*See course description under Career & Technical / Visual/Audio Arts - Pg. 28***GRAPHIC ARTS II**

IAS063

*See course description under Career & Technical / Visual/Audio Arts - Pg. 29***METAL ART FABRICATION**

AGR344

*See course description under Career & Technical / Agriculture Education - Pg. 13***MVHStv**

IAS051

*See course description under Career & Technical / Visual/Audio Arts - Pg. 29***SKAGINA - MVHS YEARBOOK**

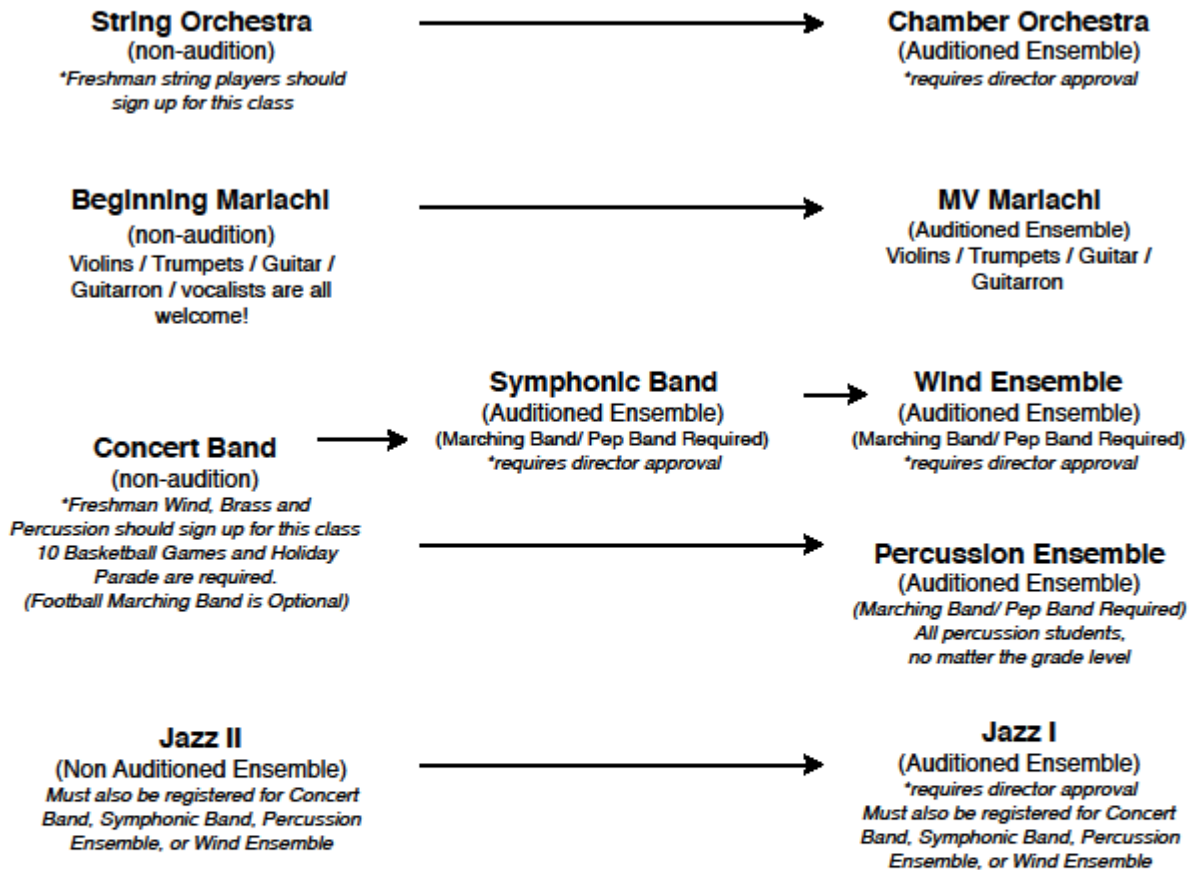
IAS070 (A) / IAS071 (B)

*See course description under Career & Technical / Visual/Audio Arts - Pg. 29***VIDEO PRODUCTION**

IAS050

*See course description under Career & Technical / Visual/Audio Arts - Pg. 29*

# Mount Vernon High School Instrumental Ensembles



**Other Music Courses Open to Any Student at MVHS**  
(For all of the classes in this box - No previous music experience is required)

<p><b>Beginning Marlachi</b> (non-audition) Violins / Trumpets / Guitar / Guitarron / vocalists are all welcome!</p> <p style="text-align: center;">↓</p> <p><b>MV Marlachi</b> (Auditioned Ensemble) Violins / Trumpets / Guitar / Guitarron</p>	<p><b>World Music Ensemble</b> <i>No Previous Music Experience Required</i> (Non-Auditioned Ensemble)</p>  <p><b>Music Theory &amp; AP Music Theory</b></p>
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# Band

## STRING ORCHESTRA

MUS023 (A) / MUS042 (B)

Open to students who play violin, viola, cello, or string bass. The orchestra plays a variety of music ranging from classical to show tunes. We perform five evening concerts and give school and community concerts as requested.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12

## CHAMBER ORCHESTRA

MUS005 (A) / MUS006 (B)

This ensemble emphasizes the advanced mechanics of string instruments, note reading, rhythm, pitch discrimination, expression, and music literacy. In addition to technique, the chamber orchestra will focus on standard string orchestra repertoire along with the major works for full orchestra. This is a performance course for advanced string students. Students are expected to participate in the course for the entire school year.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: By Audition and String Orchestra

## BEGINNING MARIACHI

MUS077 (A) / MUS078 (B)

Mariachi gives students an opportunity to explore the rich musical traditions of Mexico. This ensemble is comprised of the following instruments: vocalists, violins, flutes, trumpets, guitarrones, vihuelas and guitars. Other instruments may also be incorporated in the group. All students will have many opportunities to perform through the school year. Performances may take place during the school day, after school, or weekends. No previous music experience is required.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12

## MV MARIACHI

MUS079 (A) / MUS080 (B)

An extension of Beginning Mariachi, MV Mariachi is MVHS's premiere performing mariachi group. Extended techniques for guitar, trumpet and voice are used to enhance performance. This group is distinguished from the non-audition group by the elegant traditional mariachi uniform.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: Beg. Mariachi or Audition

## CONCERT BAND

MUS021 (A) / MUS022 (B)

A performing group with emphasis on building technique and developing musical skills. Quality of sound, rhythmic precision, scale facility, and musicality will be studied. Throughout the year, the group performs various concerts featuring traditional band literature such as marches, overtures, suites, contest selections, novelty selections, and other assorted concert music. Marching Band is optional for this ensemble. Pep band and the Mount Vernon Holiday Parade are required.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: Open to all students with previous experience on a musical instrument

## SYMPHONIC BAND

MUS075 (A) / MUS076 (B)

The Symphonic Band course provides an opportunity for instrumentalists to reinforce playing skills and to gain performing experience. In addition to skill development, emphasis is placed on a high standard of musical excellence in the preparation and performance of band literature. The Symphonic Band plays a variety of musical styles and performs several times throughout the year, including three home concerts, and the District Large Group Band Contest. Members will perform with Marching Band and Pep Band during the year.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: By Audition

**WIND ENSEMBLE****MUS001 (A) / MUS002 (B)**

This select performing group engages in an in-depth study of traditional and contemporary wind music. Emphasis on development of individual creativity, artistic quality, technical ability, and group concept. Throughout the year, the group performs various concerts featuring traditional band literature such as marches, overtures, suites, contest selections, novelty selections, and assorted concert music. Private music lessons are highly encouraged.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 10-12  
 Prerequisite: By Audition

**PERCUSSION ENSEMBLE****MUS070 (A) / MUS071 (B)**

Percussion Ensemble is open to experienced percussionists. Students will perform a variety of styles on various instruments, including keyboard (mallet) percussion. Members of this ensemble will perform with the Marching Band, Pep Band, Concert Band, Symphonic Band, and Wind Ensemble in addition to playing percussion ensemble pieces at concerts.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: By Audition and ability to read music

**JAZZ BAND II****JAZZ BAND II - MUS060 (A) / MUS061 (B)**

Students will attend jazz performances, festivals and competitions in and out of state. This is an extension of the larger ensemble experience. The jazz ensemble reflects the traditional Big Band instrumentation of saxophone, trumpet, trombone and rhythm sections. Students enrolled in the class will learn the basics of the jazz style, sound, balance and terminology. Students will be introduced to jazz improvisation and its relationship with scales and chord progressions. This is a performance class; therefore, students are expected to attend all rehearsals, sectionals and performances.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: Concurrent enrollment in a large ensemble class

**JAZZ BAND I****MUS058 (A) / MUS059 (B)**

This ensemble performs jazz, rock, blues, Latin, and other related forms of music. Students will become aware of different jazz styles, composers, performers, and improvisation techniques. This group performs at concerts, contests, dances, and other events.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: By Audition, concurrent enrollment in a large ensemble class

**MUSIC THEORY****MUS200**

Music Theory explores the fundamentals of music. Course content includes: basic music writing skills, terminology, part-writing, harmony, scales, rhythm, chords, ear-training, arranging, transportation, and composition. Students taking this course will broaden their general musical knowledge and gain the ability to compose and arrange music.

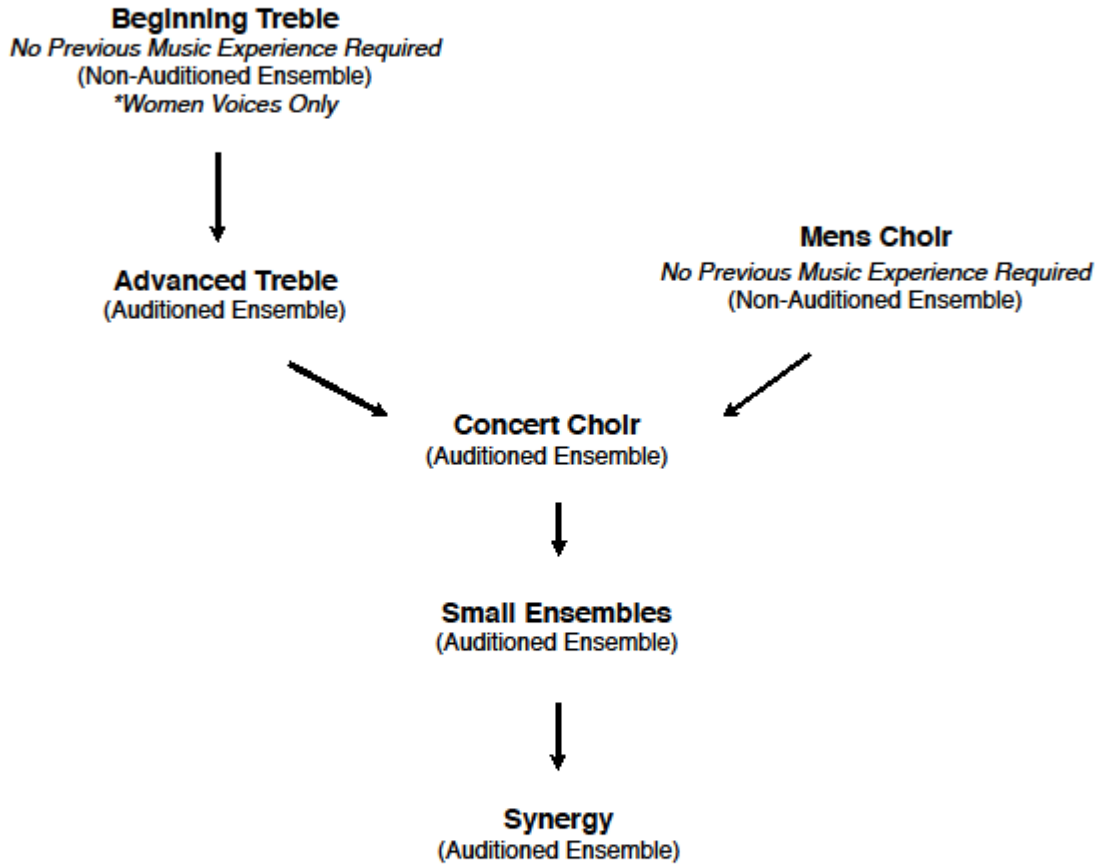
Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 9-12

**ADVANCED PLACEMENT MUSIC THEORY****MUS205 (A) / MUS206 (B)**

Learn to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Develop your aural, sight-singing, written, compositional, and analytical skills through a series of listening, performance, written, creative, and analytical exercises. Take the Advanced Placement Music Theory Exam.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-12

**Mount Vernon High School  
Choral Ensembles**



**Other Music Courses Open to Any Student at MVHS**  
(For all of the classes in this box - No previous music experience is required)

<p><b>World Music Ensemble</b> <i>No Previous Music Experience Required</i> (Non-Auditioned Ensemble)</p>	<p><b>Beginning Marilachl</b> (non-audition) Violins / Trumpets / Guitar / Guitarron / vocalists are all welcome!</p>	<p><b>Music Theory &amp; AP Music Theory</b></p>
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## Choir

### BEGINNING TREBLE CHOIR

MUS110 (A) / MUS111 (B)

This is an all grades entry-level choir designed for girls. If you have no previous choir experience or are continuing from the middle school choir program and want to continue working on basic skills, there will be valuable time given to train individual voices, teach performance skills, and build a music team that is prepared and able to sing well. We will introduce and strengthen ability to sing in harmony and be independent on your part. We perform at the four all-choir concerts in the year. No audition is required, but it is recommended. This is a good place to begin!

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12 Girls

### ADVANCED TREBLE CHOIR

MUS300 (A) / MUS301 (B)

This class offers an advanced study of vocal production, note reading, and sight singing. A special focus is on the female singing voice. Regular concerts will be scheduled throughout the school year.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12 Girls  
Prerequisite: By Audition

### MEN'S CHOIR

MUS112 (A) / MUS113 (B)

This is a choir designed for males of all ability levels, from beginner to advanced. Prior musical experience is welcome, but not required. This course will focus on exploring the male singing voice, and on building music reading ability, ensemble singing skills and team building. We will perform at four all-choir concerts throughout the year. No audition is required, but is recommended.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12

### CONCERT CHOIR

MUS016 (A) / MUS017 (B)

This class is open to all students by audition only. This group is the premier classical choir at MVHS, and will perform concerts and participate at various festivals throughout the year. Advanced study of vocal production, note reading, sight singing, and choral ensemble singing is included.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: By Audition/Prior enrollment in Men's Choir or Advanced Treble strongly recommended

### SMALL ENSEMBLES

MUS019

Small Ensemble combines our 3 advanced-level small choirs: Synergy, Bel Canto and Undertones. This class will focus on singing in small groups and will work toward a fall Rock & Roll Revue, holiday community performances and Solo and Ensemble Festival. This course is offered fall semester only.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: By Audition only

### SYNERGY

MUS044

This select small ensemble will perform a wide variety of music, with a focus on jazz and other contemporary styles. The group will perform at regularly scheduled school concerts and jazz festivals, and will represent MVHS at various community events and all-school assemblies. Participation in Synergy will likely require overnight travel to choir festival(s).

Duration: 1 Semester (Spring only)  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: By Audition/Concurrent enrollment in Concert Choir

**WORLD MUSIC ENSEMBLE**  
**MUS003 (Fall) / MUS004 (Spring)**

This ensemble will learn about and perform music from different world cultures through drumming, singing and movement. The group will focus primarily on exploring African, Asian and Latin American music. Students with instrumental experience will be encouraged to incorporate their skills whenever possible. The WME will perform several times throughout the year.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

Prerequisite: Previous musical experience encouraged. Teacher permission required

## *Leadership*

### **ASB LEADERSHIP**

**LDR010 (A) / LDR011 (B)**

ASB is a class comprised of both elected and selected members who work on major projects across our campus. Students will gain skills in leadership, communication, and teamwork. Students interested in this class must be willing to spend many hours outside of class to help set up, prepare, and plan events which will benefit others. If interested, elections for positions are held every April, and interviews for ambassador positions are held shortly after.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9-12

### **BEGINNING LEADERSHIP**

**LDR020**

Beginning Leadership is a course designed to introduce students to the skills necessary to become active leaders and to affect change in their school and community. Through a variety of fun interactive class activities, students will develop skills in character development through personal growth, communication, group processes, self-awareness, human relations, and building strong relationships and teams. Upon successful completion of this course, students will have the opportunity to apply for Advanced Leadership which allows students to put the skills learned in this course into action through school and community projects.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-11

MVHS Cross Credit: Social Studies

### **ADVANCED LEADERSHIP**

**LDR022 (Fall) / LDR023 (Spring)**

Admission by application and recommendation only. This course is designed to build upon skills learned in Beginning Leadership or learned through some other leadership role on campus or in the community (senate, class office, ASB office, club office, cheer, etc.). Students will continue to develop character and leadership traits and will be involved in planning and implementing school and community-based service projects.

Duration: 1-2 Semesters

Credits Per Term: .5

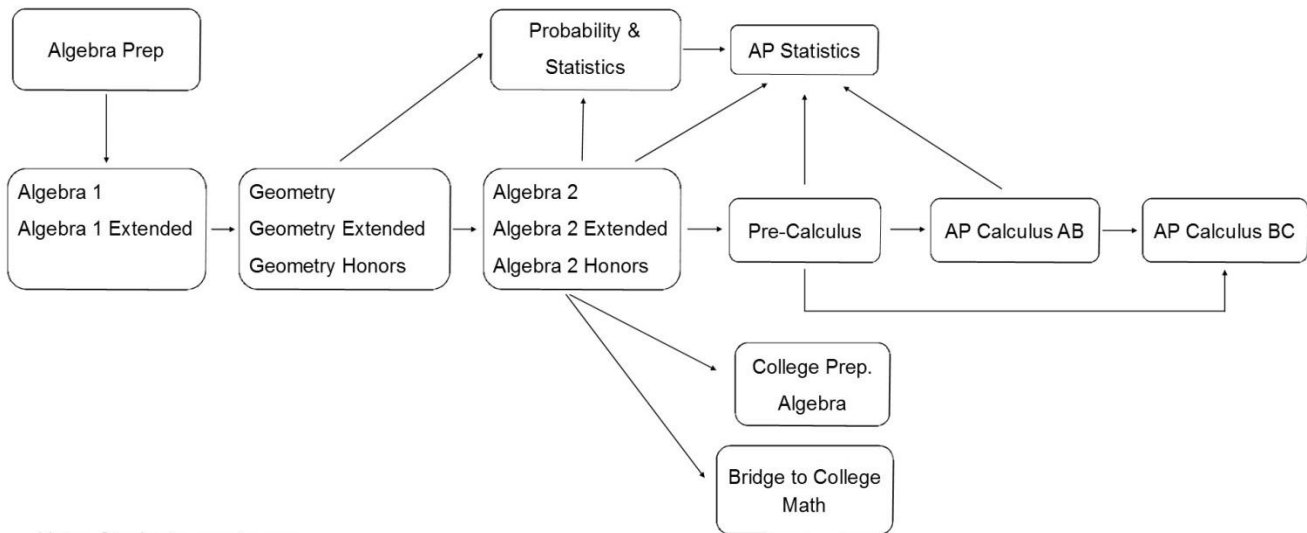
Target Population: 11-12

MVHS Cross Credit: Social Studies



# Mathematics

## MVHS Math Department Flow Chart



Note: Students must pass **BOTH** semesters of a course to move on.

**Graduation Requirements:** Students must pass Algebra 1, Geometry, and Algebra 2 in order to graduate. Those students intending to attend a 4 year university are encouraged to enroll in a 4<sup>th</sup> year of math. Probability & Statistics, Business & Personal Finance, and several NCTA courses can be used as an alternative to Algebra 2 for students who are not planning to attend a 4 year university. Students taking this option will be required to sign a waiver and have parent permission.

Ninth grade math placements will be done using a combination of placement test scores along with middle school course grades and teacher recommendations.

\*See course catalog, page 6 for more information regarding Washington State testing guidelines.

# Mathematics

## ALGEBRA PREP

MTH072 (A) / MTH073 (B)

This course is designed to prepare students for success in an Algebra 1 course the following school year. Core topics for this course include operations with rational numbers, algebraic, geometric, and graphical representations of linear models as well as proportional reason and general problem solving skills.

Duration: 2 Semesters  
 Credits Per Term: .5 Elective  
 Target Population: 9  
 Prerequisite: 9th grade placement profile

## ALGEBRA 1

MTH082 (A) / MTH084 (B)

Algebra 1 is the standard freshman math course. Core topics include solving equations and systems of equations, linear, quadratic and exponential functions with a focus on problem solving.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9  
 Prerequisite: 9th grade placement profile  
 teacher recommendation

## ALGEBRA 1 EXTENDED TIME

MTH094 (A) / MTH096 (B)

Algebra 1 Extended is designed for students who would benefit from extra instruction to master the concepts in Algebra 1. Core topics include solving equations and systems of equations, linear, quadratic and exponential functions with a focus on problem solving. Additional time may be spent reviewing prerequisite skills as needed.

Duration: 2 Semesters (meets daily)  
 Credits Per Term: 1.0 (.5 Math/.5 Elective)  
 Target Population: 9  
 Prerequisite: 9th grade placement profile

## ALGEBRA RETRIEVAL

MTH097

This course is for students who have passed one semester of Algebra 1, but failed the other. This course will provide a credit retrieval option for one semester of Algebra 1. Standards from the failed semester will be studied and assessed for understanding.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 10-12  
 Prerequisite: Teacher recommendation

## GEOMETRY

MTH143 (A) / MTH144 (B)

Geometry is the standard sophomore math course. Core topics include angles, proofs, triangles, congruence, similarity, quadrilaterals, trigonometry, surface area and volume, and coordinate geometry. Concepts are taught with an emphasis on Algebra 1 skills.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-10  
 Prerequisite: Successful completion of  
 Algebra 1

## HONORS GEOMETRY

MTH449 (A) / MTH453 (B)

The course is taught at an accelerated pace with more rigorous problems. Core topics include angles, proof, triangles, congruence, similarity, quadrilaterals, trigonometry, surface area and volume, and coordinate geometry.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-10  
 Prerequisite: Successful completion of  
 Algebra 1 with teacher  
 Recommendation

**GEOMETRY EXTENDED TIME****MTH113 (A) / MTH115 (B)**

This course is designed for students who would benefit from extra instruction to master the concepts in Geometry. Core topics include angles, proof, triangles, congruence, similarity, quadrilaterals, trigonometry, surface area and volume, and coordinate geometry. Additional time may be spent reviewing prerequisite skills as necessary.

Duration: 2 Semesters (meets daily)  
 Credits Per Term: 1.0 (.5 Math/ .5 Elective)  
 Target Population: 10  
 Prerequisite: Successful completion of full year of Algebra 1 with Teacher Recommendation

**ALGEBRA 2****MTH218 (A) / MTH219 (B)**

Algebra 2 is the standard junior math course. Core topics include equations and inequalities, polynomial functions, quadratic functions, sequences and series, probability and statistics, exponential and logarithmic functions.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-12  
 Prerequisite: Successful completion of Algebra 1 and Geometry

**HONORS ALGEBRA 2****MTH220 (A) / MTH221 (B)**

The course is taught at an accelerated pace with more rigorous problems. Core topics include: equations and inequalities, polynomial functions, quadratic functions, sequences and series, probability and statistics; and exponential and logarithmic functions.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9-11  
 Prerequisite: Successful completion of Algebra 1 and Geometry with teacher recommendation

**ALGEBRA 2 EXTENDED TIME****MTH098 (A) / MTH099 (B)**

This course is designed for students who would benefit from extra instruction to master the concepts in Algebra 2. Core topics include: equations and inequalities, polynomial functions, quadratic functions, sequences and series, probability and statistics, exponential and logarithmic functions. Additional time may be spent reviewing prerequisite skills as needed.

Duration: 2 Semesters (meets daily)  
 Credits Per Term: 1.0 (.5 Math/ .5 Elective)  
 Target Population: 11-12  
 Prerequisite: Successful completion of Algebra 1 and Geometry with teacher recommendation

**BRIDGE TO COLLEGE MATH****MTH250 (A) / MTH251 (B)**

Bridge to College Math is designed for the Senior student interested in college the next year but still struggling in math. Students that earn a B or better in this course and had a level 2 score on the SBAC test can earn the transfer agreement by the state for automatic placement in a college credit level math course in a public college the next year without taking the COMPASS test or taking remedial math courses in college. However, students can still earn a 3<sup>rd</sup> year of math credit for this course with a passing grade lower than a B. This course takes the essential common core standards from the Algebra 1, Geometry, and Algebra 2 and makes connections between the essential topics. This course can count as the 3<sup>rd</sup> credit of math needed but students have more success in this class if they have already taken Algebra 2.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 12  
 Prerequisite: Successful completion of Algebra 1 and Geometry

**PROBABILITY & STATISTICS**

MTH065 (A) / MTH066 (B)

In this course students will learn methods of calculating probabilities and probability distributions. Students will also learn about data analysis and how to use simulations to draw conclusions about populations. This course may serve as an alternative to Algebra 2 for graduation purposes and also meets prerequisite requirements for enrollment in AP Statistics.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Successful completion of Algebra 1 and Geometry with teacher recommendation

**BUSINESS & PERSONAL FINANCE**

BED101 (A) / BED102 (B)

See course description under *Career & Technical / Business & Marketing Education - Pg. 14*

**NCTA COURSES**

See course descriptions under *NW Career & Technical Academy - Pgs. 70 & 71*

**COLLEGE PREP ALGEBRA**

MTH240 (A) / MTH241 (B)

This course is designed to prepare students for college level mathematics. Topics include: equations, inequalities, problem solving, graphs and functions, systems of linear equations and inequalities, exponents, polynomials and polynomial functions, rational functions, rational exponents, radical functions, complex numbers, quadratic equations and functions, and exponential logarithmic functions. Successful completion *may* grant access to enter college-level math at SVC without remediation.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 12  
 Prerequisite: Successful completion of Algebra 1, Geometry, and Algebra 2

**PRECALCULUS**

MTH293 (A) / MTH294 (B)

In this course students will explore graphs, inverses, compositions and transformations of functions including polynomial, rational, trigonometric, exponential, and logarithmic functions. Additionally this course includes parametric equations, sequences and series, and root functions. Concurrent enrollment in Advanced Math/Science Support is recommended.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of Algebra 1, Geometry, and Algebra 2

**ADVANCED PLACEMENT CALCULUS**

MTH050 (A) / MTH057 (B)

This course focuses on the mastery of algebra and calculus. The course content includes: problem solving, limits, differentiation, integration, and differential equations. The course culminates with the Advanced Placement Exam. Students who earn a passing grade may be eligible for college credit.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Successful completion of Precalculus

**ADVANCED PLACEMENT CALCULUS BC**

MTH058 (A) / MTH059 (B)

This course constitutes what is typically covered in the second semester of a college calculus class. Differentiation and integration are covered, as in AP Calculus AB. In addition, techniques of integration, parametric and polar equations and series expansions are at the core of the course.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Successful completion of AP Calculus or Precalculus with teacher recommendation

**ADVANCED PLACEMENT STATISTICS**

MTH060 (A) / MTH061 (B)

This course covers four broad themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. The course culminates with the Advanced Placement Exam in the spring. Students earning passing grades on the exam may be eligible for college credit. Students will be required to complete a summer assignment in preparation for the course.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 11-12

Prerequisite: Successful completion of Algebra 2 or Probability and Statistics

**ADVANCED MATH / SCIENCE SUPPORT**

MTH005 (Fall) / MTH006 (Spring)

This course is designed to help students who are currently enrolled in Pre-calculus or higher math classes, and/or Chemistry or higher science classes. The class will provide students with specific assistance on understanding the content and concepts presented in advanced Math and Science course work. A strong focus will be on successful homework completion and test preparation. Time will be provided for students to seek help from one another and from the teacher. **Graded Pass/Fail.**

Duration: 1 Semester

Credits Per Term: .5 Elective Credit

Target Population: 11-12 or teacher approval

Prerequisite: Concurrent enrollment in Pre-calculus or higher math, and/or Chemistry or higher science, or teacher permission

**MATH I, II, III**

I – MTH900 (A) / MTH901 (B)

II – MTH902 (A) / MTH903 (B)

III – MTH 904 (A) / MTH905 (B)

Each section of Math is designed to provide students with mathematic instruction specific to each student's individual needs. Students will receive individualized instruction based on needs determined by frequent assessment and design of the Education Program.

Duration: Unlimited - Mastery Learning

Credits Per Term: 1.0

Target Population: 9-12

Prerequisite: Instructor approval

**CONSUMER MATH**

MTH910 (A) / MTH911 (B)

Designed for secondary students who have a basic grasp of mathematical computation but require additional instruction for applying these concepts as wise consumers. Instruction is provided using a variety of realistic, consumer-oriented applications. Consumer Math I encourages the use of calculators and takes advantage of its many functions. The intent of CM1 is to provide students with the math tools they will need to function as independent, contributing citizens of the community. Coursework will provide a review of whole number skills, fractions, decimals and percentages. Units in this course will include: earning money, buying food, shopping, managing a household, buying and maintaining a car, home improvement, travel, budgets, paying taxes, banking and investing.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 11-12

Prerequisite: Instructor approval and 11<sup>th</sup> or 12<sup>th</sup> grade students who have completed Math II or III

## Physical Education

All courses may be repeated for credit / Please note: All students will be issued a combination lock to be used during P.E. classes.

Participation in athletics, band, Sports Medicine, or physical activity outside of school do not count toward high school P.E. credits. P.E. waivers can be requested and approved if a student meets the criteria for a waiver.

### BASKETBALL

**PED088 (Fall) / PED090 (Spring)**

This course will cover basic rules and techniques of basketball. Students will have the opportunity to learn and practice shooting, defense, rebounding, passing, and team strategies. Games will be played daily. Participation and effort will be a major part of the grade. Cardio fitness and core strength will be emphasized.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### BODYSHAPING

**PED091 (Fall) / PED093 (Spring)**

Students will learn how to control and change their body shape by using conditioning, aerobic exercise, nutrition, and diet. Specific muscles will be worked on to build and streamline the body. The student will be graded on participation, effort, and strength/endurance assessment tests.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### DANCE FITNESS

**PED110 (Fall) / PED111 (Spring)**

Students will increase their flexibility, strength, stamina, coordination, and sense of movement through the study and performance of dance fitness (step aerobics, low impact, and Zumba), and sculpt and tone exercises. No prior dance experience necessary. Students will be required to choreograph and perform their dance fitness routine for the class, design a personal fitness plan, and participate in the CBA.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### HEALTH & FITNESS WALKING

**PED097 (Fall) / PED098 (Spring)**

This class will cover the health benefits of walking and healthy nutrition. Journals and charts will be used to keep track of personal goals. Participation and effort will be a major part of the grade. Students will be expected to achieve at least a 15-minute mile pace.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### SOCCER

**PED067 (Fall) / PED068 (Spring)**

The soccer activities will include kicking, passing, trapping, and team play. Daily participation will include games and tournaments. Participation and effort will be a major part of the grade. Students should be prepared to go outside every day.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

### TENNIS / BADMINTON

**PED020 (Fall) / PED021 (Spring)**

Both the tennis unit and the badminton unit will include the basic skills, rules, and strategies for singles and doubles games. Daily participation will include practice, cardio fitness, skill development, games, and tournaments. It is recommended that students provide their own tennis rackets and tennis balls/birdies. Students should be prepared to go outside every day.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

**VOLLEYBALL****PED154 (Fall) / PED158 (Spring)**

This course will cover the skills of the game, the rules, and basic offensive and defensive strategies. Daily activities will include cardio warm-up and skill practice as well as participation in games and tournaments.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

**WEIGHT TRAINING****PED094 (Fall) / PED096 (Spring)**

The student will develop knowledge and skill used in weight training by the development of strength, endurance, and coordination through the use of resistive exercise. Activities designed to improve and enhance aerobic capacity are also included.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

**YOGA FOR FITNESS****PED160 (Fall) / PED161 (Spring)**

Yoga for Fitness is designed to improve lifelong health, performance, and mental acuity of individual students interested in improving their level of fitness. Based on the ancient fitness science of hatha yoga, it blends balance, strength, flexibility, and power in a fitness format, which is understandable and doable by individuals at any level of fitness. Students practice a combination of traditional yoga postures combined with fitness moves such as push-ups, sit-ups, and squats linked together in flowing sequences.

Duration: 1 Semester

Credits Per Term: .5

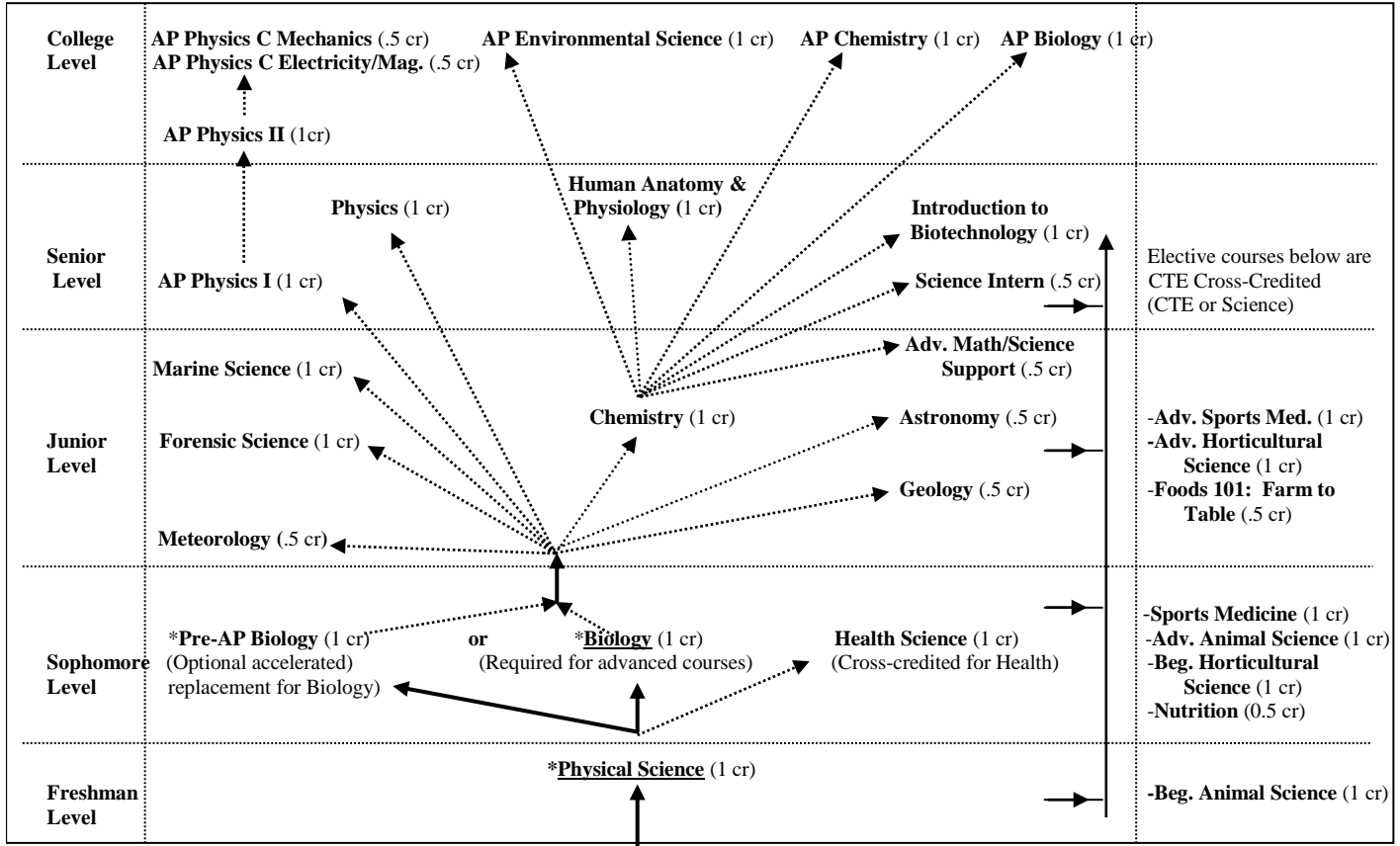
Target Population: 9-12

**Physical Education NOTICE**

**Washington State Classroom Based Assessment (CBA) testing will be required of every Mount Vernon High School Physical Education student. The test will be administered first and second semesters. The CBA will be part of each student's grade.**

# Science

**MVHS Science Course Offering Flowchart (3 credits required for graduation)**  
 (Dotted arrows indicate prerequisites are involved)



\*Physical Science AND Biology or Pre-AP Biology AND a third elective credit of Science are required for graduation. (Students who place into Biology as freshmen must take Chemistry and Physics to fulfill the Physical Science requirement.). (CWH 12/16/2013)



## Science

### ADVANCED MATH / SCIENCE SUPPORT

MTH005 (Fall) / MTH006 (Spring)

This course is designed to help students who are currently enrolled in Pre-Calculus or higher math classes, and/or Chemistry or higher science classes. The class will provide students with specific assistance on understanding the content and concepts presented in advanced Math and Science course work. A strong focus will be on successful homework completion and test preparation. Time will be provided for students to seek help from one another and from the teacher. **Graded Pass/Fail.**

Duration: 1 Semester  
 Credits Per Term: .5 Elective Credit  
 Target Population: 11-12 or by teacher permission  
 Prerequisite: Concurrent enrollment in Pre-calculus or higher math, and/or Chemistry or higher science, or teacher permission

### BEGINNING ANIMAL SCIENCE

AGR250 (A) / AGR251 (B)

See course description under Career & Technical / Agriculture Education - Pg. 11

### ADVANCED ANIMAL SCIENCE

AGR252 (A) / AGR254 (B)

See course description under Career & Technical / Agriculture Education - Pg. 11

### ASTRONOMY

SCI017

The night sky has fascinated people throughout history. From its mythological beginnings, Astronomy has evolved to become the science of “the heavens”. This mid-level science course is centered on these units of study: The Motions of the Sky, Light and Telescopes, Our Place in the Universe, Stars and Stellar Evolution, Galaxies, The Universe, and Cosmology. Use of Internet-based resources and the MVHS Planetarium are integral to this course.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of Physical Science A&B and completion or concurrent enrollment in Biology.

### BIOLOGY

SCI074 (A) / SCI075 (B)

(Required for Graduation)

Students will develop an understanding of living systems and how organisms are related. Areas of study include: molecular biology, cell anatomy, cell processes, ecology, genetics, and evolution.

Duration: 2 Semesters  
 Credit Per Term: .5  
 Target Population: 10  
 Prerequisite: Successful completion of Physical Science (or Advanced Placement)

**PRE-AP BIOLOGY**  
**SCI007 (A) / SCI008 (B)**

Pre-AP Biology is an accelerated replacement for regular Biology for students who intend to take AP Biology. Students will cover the scope of regular Biology, but in greater depth with alternate curriculum and expanded laboratory work. Additional content areas will be included that go beyond the scope of regular Biology. This is a high expectation course requiring an elevated level of personal commitment and responsibility from students. Be prepared to work hard and complete all course assignments on time.

Duration: 2 Semesters  
 Credit Per Term: .5  
 Target Population: 10-11  
 Prerequisite: Successful completion of  
 Physical Science A & B or  
 Teacher Recommendation

**ADVANCED PLACEMENT BIOLOGY**  
**SCI009 (A) / SCI010 (B)**

This advanced college prep course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Students will gain a conceptual understanding of the following: a grasp of science as a process rather than as an accumulation of facts, personal experience in scientific inquiry, recognition of unifying themes that integrate the major topics of biology, and application of biological knowledge and critical thinking to environmental and social concerns. Accordingly, goals have been set for percentage coverage of three general areas: Molecules and Cells, 25%; Heredity and Evolution, 25%; and Organisms and Populations, 50%. Students may earn college credit for the class by passing the AP Biology exam given every spring. All students are strongly encouraged to take the AP exam. Summer assignments are a requirement of this course.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Successful completion of  
 Biology and Chemistry

**CHEMISTRY**  
**SCI076 (A) / SCI077 (B)**

Students will gain a better understanding of their physical world through chemistry in this basic college preparatory class. Course content will include atomic structure, stoichiometry, periodic table, chemical bonding and formulas, introductory organic topics, chemical reactions, kinetic theory, states of matter, solutions, and gas laws. Laboratory experiences are an important part of this class. Strong, basic algebra skills are important for success in this course.

Duration: 2 Semesters  
 Credit Per Term: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of  
 Algebra 1 and Biology or  
 concurrent registration  
 in Biology, with teacher  
 permission

**ADVANCED PLACEMENT CHEMISTRY**  
**SCI118 (A) / SCI119 (B)**

This course is designed for college-bound advanced science students. Students will gain a deeper understanding of topics from first-year chemistry, and will explore additional topics like equilibria and kinetics, oxidation/reduction reactions, acids/bases/buffers, and biochemistry. A significant portion of the class involves lab experiences, including titrations, organic synthesis, and student designed projects. Students are encouraged to take the College Board AP exam in May. Students who pass the exam may receive credit for having taken chemistry from their college or university upon admission. Summer assignments are a requirement of this course.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Successful completion of  
 Chemistry

**ADVANCED PLACEMENT  
ENVIRONMENTAL SCIENCE**  
SCI005 (A) / SCI006 (B)

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. This course includes a strong laboratory and field investigation component. Summer assignments are a requirement of this course.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 11-12  
Prerequisite: Successful completion of Biology and completion or concurrent enrollment in Chemistry & Algebra II

**FOODS 101: FARM TO TABLE**  
AGR272

See course description under Career & Technical / Agriculture Education - Pg. 12

**FORENSIC SCIENCE**  
SCI060 (A) / SCI062 (B)

Learn the (real) science behind the crime shows you love to watch! The purpose of this course is for students to gain laboratory experience in the major investigative techniques currently used by forensic scientists, crime scene investigators, and other law enforcement agencies. Students will develop an understanding of the science concepts used to reconstruct crimes. Biology, Chemistry and Physics concepts will be applied in this course. Students will learn how to observe, collect & analyze, and evaluate evidence found at a crime scene. This class is primarily a lab class. Topics 1<sup>st</sup> semester include: Hair & Trace analysis (microscopic analysis), Anthropology (study of bones), Fingerprint Analysis and Ballistics (bullet analysis). Topics 2<sup>nd</sup> semester include: DNA analysis, Entomology (study of insects), Blood Spatter analysis and Document Analysis. This course would be an excellent companion course to *Criminal Justice* for those students exploring a criminal justice career pathway.

Duration: 2 Semesters  
Credit Per Term: .5  
Target Population: 11-12  
Prerequisite: Successful completion of Biology or Teacher Permission

**GEOLOGY**  
SCI098

We live in one of the most spectacular regions of the planet. From the fire and ice of Mount Baker to the peaceful beauty of Deception Pass, Skagit County has been shaped by the forces of the ever-changing Earth. In this course, we will be studying these changes: the slow grinding of glaciers, the persistent wearing of wind and water, and the slow creep of moving continents punctuated by terrifying earthquakes. Some of the topics of the course are: rocks and minerals, mountain building and volcanism, weathering and erosion, and ground water.

Duration: 1 Semester  
Credit Per Term: .5  
Target Population: 10-12  
Prerequisite: Successful completion of Physical Science and completion or concurrent registration in Biology

**HEALTH SCIENCE**

SCI203 (A) / SCI204 (B)

*(Health or Health Science is required for graduation)*

Health Science is a course targeting students with a strong interest in science and medicine. The course would integrate the district's Health curriculum into an academically rigorous lab science course with a focus on health-related research fields. In Health Science, students will learn basic anatomy and physiology, as well as looking into environmental health, epidemiology, toxicology, and immunology. The Health Science course would strongly support scientific and medical career pathways.

Duration: 2 Semesters

Credit Per Term: .5

Target Population: 10-11

MVHS Cross Credit: Health

Prerequisite: Successful completion of Physical Science with a "C+" or better, or Advanced Placement status in Biology

**BEGINNING HORTICULTURAL SCIENCE**

AGR220 (A) / AGR221 (B)

*See course descriptions under Career & Technical / Agriculture Education - Pg. 12*

**ADVANCED HORTICULTURAL SCIENCE**

AGR226 (A) / AGR227 (B)

*See course descriptions under Career & Technical / Agriculture Education - Pg. 12*

**HUMAN ANATOMY AND PHYSIOLOGY**

SCI115 (A) / SCI116 (B)

*(Honors)*

Human Anatomy and Physiology is a challenging course designed for students interested in careers in health and biological sciences. Students should prepare for a rigorous level of biochemistry, tissues, organs, organ systems and disease with an emphasis on how structure relates to function. A Disease Diary, case studies, and unit on Type 2 Diabetes will be incorporated in the class throughout the year. Lab experiences will include dissections of various specimens and hands on activities with Anatomy in Clay.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 11-12

Prerequisite: "B" or better in Biology or Teacher Recommendation and completion of or concurrent enrollment in Chemistry. Health Science, Medical Terminology, and/or Sports Medicine also recommended.

**INTRODUCTION TO BIOTECHNOLOGY**

SCI400 (A) / SCI401 (B)

Semester one provides an introduction to bioethics, basic lab skills and safety, lab notebook record keeping, DNA structure and function, protein structure and function, gene expression and regulation, and career exploration. Labs include: DNA technology and analysis, DNA extraction, DNA analysis, gel electrophoresis, restriction enzymes. Semester two emphasizes biomedical research process, stem cells science and ethics, engineering, and Infectious Disease and Immunology. Labs include: Recombinant DNA technology, Bacterial Transformation, ELISA, DNA purification and PCR. Biotech project and career exploration.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 10-12

Prerequisite: Successful completion of Biology and completion of or concurrent enrollment in Chemistry.

**MARINE SCIENCE**  
**SCI350 (A) / SCI351 (B)**

In this course you will learn about the marine world through labs, field trips and projects; explore local wetlands and beaches; observe and analyze shoreline processes; choose a project focusing on local marine environment; and learn how oceans affect your health and how you in turn affect the health of the oceans. Ecological concepts will be emphasized with content drawn from Biology, Chemistry, Physics, Technology, and Oceanography.

Duration: 2 Semesters  
 Credit Per Terms: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of Biology or teacher permission

**METEOROLOGY**  
**SCI095**

Meteorology will focus on atmospheric science. Lab experiences will be used to discover basic principles that govern the weather, as well as to model larger systems. Historic and real-time data will be used to create visual representations of the weather for analysis. The course will cover weather phenomena from the global level to local microclimates. There will be labs and extensive use of computers for the collection and interpretation of data.

Duration: 1 Semester  
 Credit Per Terms: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of Biology or concurrent registration with teacher permission

**NUTRITION**  
**HOC200**

*See course description under Career & Technical / Family and Consumer Science - Pg. 22*

**PHYSICAL SCIENCE**  
**SCI072 (A) / SCI073 (B)**

Physical Science is an inquiry-based required course for entry into more advanced Science Department courses. This course will focus on basic physical and earth science concepts. (Students meeting advanced placement requirements will be enrolled in Biology/Pre-AP Biology.)

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 9

**PHYSICAL SCIENCE LANGUAGE SUPPORT**  
**SCI083 (A) / SCI084 (B)**

Physical Science Language Support is an inquiry-based course that will focus on basic physical and earth science concepts. In addition to developing content-knowledge for success on the EOC, students will develop their English language proficiency and learn foundational science concepts and vocabulary for success in higher-level science courses.

Duration: 2 Semesters  
 Credit Per Term: .5  
 Target Population: 9-12

**PHYSICS**  
**SCI125 (A) / SCI126 (B)**

This course will cover a broad range of topics within physics including: force and motion, heat and energy, light, sound and waves, electricity, magnetism and modern physics. Although some math will be required in the course, emphasis will be on developing a solid conceptual understanding rather than on manipulating equations.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of Geometry and a full year of Physical Science with a "C" grade or better.

**ADVANCED PLACEMENT PHYSICS I****SCI300 (A) / SCI301 (B)**

AP Physics 1: Algebra-Based is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The content and difficulty of this course is roughly comparable to the Honors Physics course which has been previously taught at Mount Vernon High School.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of Biology; concurrent enrollment in Algebra II or higher

**ADVANCED PLACEMENT PHYSICS II****SCI306 (A) / SCI307 (B)**

AP Physics 2: Algebra-Based is the equivalent to a second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Successful completion of AP Physics I

**ADVANCED PLACEMENT PHYSICS C: MECHANICS****SCI304 (A)**

A Calculus based course that covers mechanical processes. Topics include Newton's laws, conservation of energy and momentum, harmonic motion and rotational dynamics.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 12  
 Prerequisite: Successful completion of AP Calculus and AP Physics II.

**ADVANCED PLACEMENT PHYSICS C: ELECTRICITY & MAGNETISM****SCI305 (B)**

A Calculus based course covering topics in electricity and magnetism. Electrostatics, Magnetism, Circuits and Maxwell's equations are among the topics covered.

Duration: 1 Semester  
 Credits Per Term: .5  
 Target Population: 12  
 Prerequisite: Successful completion of AP Calculus and AP Physics II.

**SCIENCE INTERN****SCI068 (Fall) / SCI069 (Spring)**

For students interested in scientific, medical, or technical fields. The responsibilities of a science intern will primarily involve laboratory preparation, with secondary emphasis on student assistance and classroom organization and maintenance activities. Specific activities may include preparing laboratory solutions and materials, setting up and breaking down laboratory activities, inventorying equipment and supplies, organizing science material and equipment, and tutoring. Students interested in becoming science interns should be reliable, trustworthy, and conscientious, have exemplary performance in previous science course work, and have acquired basic computer and lab safety skills. Science interns will be evaluated based on performance standards and will receive a letter grade.

Duration: 1 or 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Science Dept. Chair approval and completion or concurrent enrollment in Chemistry

**SPORTS MEDICINE I****HOC100 (A) / HOC101 (B)**

*See course descriptions under Career & Technical / Sports Medicine - Pg. 23*

**SPORTS MEDICINE - ADVANCED****Second Year: HOC104 (A) / HOC105 (B)****Third year: HOC106 (A) / HOC107 (B)**

*See course descriptions under Career & Technical / Sports Medicine - Pg. 23*

## Social Studies

### ADVANCED PLACEMENT AMERICAN GOVERNMENT

SST186 (A) / SST187 (B)

*Meets Civics requirement*

This course is equivalent to an introductory college course in United States government. Topics covered will include the Constitution, political beliefs and behaviors, political parties and interest groups, institutions and policy processes of national government, and also civil rights and civil liberties. This class prepares students for the Advanced Placement Exam given each spring. A passing grade first semester is required to continue in the course second semester.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 12

### BUSINESS & PERSONAL LAW BED231

*See course description under Career & Technical / Business & Marketing Education - Pg. 14*

### CHILD DEVELOPMENT HEC210

*See course description under Career & Technical / Family and Consumer Science - Pg. 20*

### CIVICS SST150

*(Required for Graduation)*

*Can satisfy the state requirement for CWP*

The purpose of this course is to introduce students to the rights and responsibilities of being a member of local and national communities. Students will understand the basic functions and structures of municipal, state, and federal government as well as how to access and participate in government through civic action and engagement.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 12

### COMPARATIVE RELIGIONS SST010

This course examines the belief systems and practices of religions around the world. Among religions to be studied are Islam, Judaism, Christianity, Hinduism, Buddhism, Confucianism, and Taoism.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12

### CRIMINAL JUSTICE IAS080

*See course description under Career & Technical / Transportation & Human Services - Pg. 26*

### CURRENT ISSUES SST121

*This course can satisfy the state requirement for CWP*

This Social Studies elective course will focus on issues from global to local interests. Students will use periodicals and current media information and historical perspective to understand these issues. Topics will cover a wide range including environmental, political, social, economic, and health issues.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11-12

### ECONOMICS SST160

Economics is the study of how people make choices in order to satisfy their needs and wants. The goal of the class is to encourage students to think about the world through a different lens – one in which all choices have costs, benefits, and trade-offs. The study of current economic world, national, and local events will also be included throughout the semester.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12

**ADVANCED PLACEMENT ECONOMICS**  
SST164 (A) / SST165 (B)

A.P. Economics is a college level, full year course designed to provide students with a thorough understanding of the principles of economics. The course will be split into 2 areas of focus in order to best prepare students for the AP Microeconomics and Macroeconomics exams in May. The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole.

Duration: 2 Semester  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: 1 year in required Social Studies classes to ensure necessary skills are acquired

**LATIN AMERICAN STUDIES**  
SST156

This course is a survey of Latin American history and culture. Topics to be covered include Latin American independence and the formation of national identities, 20<sup>th</sup> century revolutions and conflicts, and contemporary issues such as trade, immigration, and politics.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 10-12

**BEGINNING LEADERSHIP**  
LDR020

*See course description under Leadership - Pg. 43*

**ADVANCED LEADERSHIP**  
LDR022 (Fall) / LDR023 (Spring)

*See course description under Leadership - Pg. 43*

**PSYCHOLOGY**  
SST123

This class introduces students to the major topics current in the study of human behavior. Areas emphasized include: learning theories, memory improvement, study methods and learning strategies, inter-related workings of mind and body (perception, motivation and emotion), human development (intellectual, emotional, and social), studies in personality development, and social adjustment.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11-12

**SOCIAL PSYCHOLOGY**  
SST141

This course emphasizes the study of theories, methods, and orientations concerning the dynamics of social behavior. Areas covered are: group interaction, the roots of violence in our culture, changing society, structure and communication patterns in groups, conformity and nonconformity, cooperation, altruism, and leadership effectiveness in group situations.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11-12

**UNITED STATES HISTORY I**  
SST119

*(Required for Graduation)*

This course covers the historical period in U.S. history from colonial times through westward expansion. The themes of industrialization, foreign affairs, major political events, societal changes, and economics are emphasized.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11

**UNITED STATES HISTORY II**  
SST120

*(Required for Graduation)*

This course covers the period of U.S. history from the Gilded Age to present day. The themes discussed will include major political developments, cultural change, technological change and industrialization, foreign affairs, and economics.

Duration: 1 Semester  
Credits Per Term: .5  
Target Population: 11



**ADVANCED PLACEMENT UNITED STATES HISTORY****SST117 (A) / SST118 (B)***(Meets U.S. History Requirement)*

This course is equivalent to an introductory college course in United States history. Units will cover colonial times to the present. The themes of democratization, industrialization, political competition, foreign affairs, society changes, and economics are emphasized. This class prepares students for the Advanced Placement Exam given each spring. Summer assignments are a requirement for this course. A passing grade first semester is required to continue in the course second semester.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 11

Prerequisite: At least 1 year in required Social Studies classes to ensure necessary skills are acquired.

**WORLD CULTURES****SST114***(Required for Graduation)*

Culture includes the beliefs, customs, art, spiritual beliefs, and the general ways of life of a particular group. This class will include study of many world cultures and the aspects of what makes them unique. Other topics include population changes, cultural interaction, and current world issues related to these cultures.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9

**WORLD GEOGRAPHY****SST115***(Required for Graduation)*

World Geography is the study of how humans interact with the earth. This class will include study of the 5 Themes of Geography (Location, Place, Interaction, Movement, and Region) with primary focus on how humans and the environment affect one another, locations of countries around the world, and world issues related to geography.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9

**CONTEMPORARY WORLD HISTORY****SST109***(Required for Graduation)*

This course will deal with the contemporary history, economic development, geography, and politics of selected regions of the world since 1500. Particular areas of emphasis will include the impact of key personalities, war and conflict, religion, immigration, government, and technology.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 10

**ADVANCED PLACEMENT WORLD HISTORY****SST107 (A) / SST108 (B)***Meets World History requirement*

This course is equivalent to an introductory college course in world history. The purpose of the AP World History class is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. Students will prepare to take the Advanced Placement Exam in the spring. A pre-enrollment essay must be submitted to the instructor. The instructor's signature is also required before enrollment. A passing grade first semester is required to continue in the course second semester.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 10-12

Prerequisite: Pre-enrollment essay and Teacher permission

## World Languages

### AMERICAN SIGN LANGUAGE I, II, & III

I - HEC300 (A) / HEC301 (B)

II - HEC302 (A) / HEC303 (B)

III - HEC304 (A) / HEC305 (B)

The American Sign Language (ASL) program of study prepares students for college level training and eventual careers as Sign Language Interpreters. In this program, students learn American Sign Language skills to communicate with members of the Deaf community by learning to “listen” with their eyes, and use their eyes, face, hands and body to communicate. The ASL program courses also satisfy the world language requirement for four-year college/university admissions.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9-12

### FRENCH I

FLG015 (A) / FLG016 (B)

This introductory class is conducted in French. Texts and activities are drawn from authentic resources that are accessible from the class website. French I through AP are highly productive and participatory classes. Prepare to be engaged and active throughout the four-year experience.

French I students will begin the adventure of learning a second or even third language through music, stories, legends, and customs of the French-speaking world. Students will compare their cultural identities and traditions with those of the nearly 220 million French speakers of the world. Web-based tools and mobile applications will be used to track progress and refine language skills, to collaborate and present basic storytelling projects, and to connect with other French speakers around the world

Successful French I learners are able to:

- Converse with classmates, teachers, and Francophone students using basic questions and vocabulary.
- Describe in writing and speaking the appearance, hobbies, and interest of themselves, others, and animals.
- Produce introductory writing samples such as short descriptions, narrations, or comic-strip style products.
- Create and share simple stories or legends through narration and writing.
- Discuss and compare Francophone customs, holidays, and traditions.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9-12

**FRENCH II**  
**FLG023 (A) / FLG024 (B)**

French II expands on the knowledge and skills developed in French I. Students will explore language, literature, music, and customs through exposure to global and local issues, project-based learning experiences, and storytelling skills. At this level, students explore future career and life options available to language learners. Students who successively meet the standards of the course should continue through French III or IV/AP as French II is not a final class.

Texts and activities are drawn from authentic resources that are accessible from the class website. The class is conducted entirely in French by both students and teacher.

Successful French II learners are able to:

- Demonstrate personal progress and responsibility in growth from low-novice language production to mid or high novice.
- Develop, produce, and share short oral and written stories using the present, future, and past tenses.
- Read level-appropriate authentic texts (articles, books, short stories) and discuss them in French.
- Compare and contrast local and global issues of school-life, food production and waste, and environmental protection using appropriate vocabulary and grammar conventions.
- Discover and share social media resources involving Francophone culture or news.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 10-12  
 Prerequisite: Successful completion of French I and invitation by instructor.

**FRENCH III**  
**FLG027 (A) / FLG028 (B)**

French III is a pivotal year for most students as they transition from novice-high to intermediate-low or mid-level. Students can comprehend the language through various authentic media: music, news, films, videos, newspapers, books and short stories while using as many of the grammar and vocabulary skills that they have learned to comment, compare, and critique on the media using a personal and appropriate voice. Thematic and project-based units will include global issues, the history of France, Canada and other Francophone cultures, and student-inspired topics. Through the units, students will develop stronger reading, writing, speaking, and cultural competences along with new vocabulary groups and verb tenses. Students use social media to conduct closer investigations of careers and opportunities for multi-lingual professionals and to develop connections with Francophone peers. Students who successively meet the standards of the course will be prepared for French IV, AP or French at the 200 University level.

The class is conducted entirely in French by both students and teacher. Texts and activities are drawn from authentic resources that are accessible from the class website.

Duration: 2 Semesters  
 Credits Per Term: .5  
 Target Population: 11-12  
 Prerequisite: Successful completion of French II and invitation by instructor.

### FRCH 221 - FRENCH IV / CHS CHSFRA (A) / CHSFRB (B)



Students in French IV / CHS French 221 may earn college credit from Skagit Valley College while studying at MVHS. Students will follow a pre-AP course of study designed to prepare students to understand and produce French across the six themes outlined by the College Board. Students will master advanced grammar and vocabulary while using a wide array of technologies and completing fun and interesting projects to demonstrate their learning.

**Students have the option to register for 5 credits at Skagit Valley College. A tuition fee will be applied for the college credits.**

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 11-12  
Prerequisite: "C" or better in French III or teacher recommendation.

### ADVANCED PLACEMENT FRENCH FLG033 (A) / FLG034 (B)

The class is conducted entirely in French by both students and teacher and is centered around authentic course materials such as music, fiction, journalism, and film. Students will increase proficiency and gain confidence in their ability to converse and write about a variety of topics in different social settings. The course envelops the skills, knowledge, vocabulary, and grammar from French I to the present. Students will use current Web-based tools and mobile applications to track their progress and refine their skills. Juniors who choose to take the class as French IV will complete the same work, but will be assessed at the fourth-year level. Students who successively meet the standards of the course will be prepared to take French 300 at the University level. This class is designed to prepare students to earn passing scores on the national AP French exam offered each May. A score of 3, 4, or 5 may result in university credits.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 11-12  
Prerequisite: Successful completion of French III and/or invitation by instructor.

### INTERPRETATION/TRANSLATION, Spanish-English HEC250

*See course description under Career & Technical / Transportation & Human Services - Pg. 27*

### SPANISH I FLG005 (A) / FLG006 (B)

Your journey to becoming a fluent bilingual in Spanish starts here! Join us as we use technology to access authentic resources from around the Spanish-speaking world and to create fun and interesting projects to showcase our learning. Our students learn to read, write, listen and speak Spanish with native speakers by investigating essential questions centered on the themes of personal identity, families and communities, science and technology, global challenges, beauty and aesthetics, and contemporary life. We also take time to study the unique cultural heritage of Mexico and the greater Spanish-speaking world as we learn to use Spanish to make comparisons with our own cultures. This year-long course is designed for total beginners or for those students who have had a limited exposure to Spanish either in school or in their family.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12

### SPANISH II FLG007 (A) / FLG008 (B)

Continue your journey to becoming a fluent bilingual in Spanish Two! We use technology to access authentic resources from around the Spanish-speaking world to expand our ability to read, write, listen and speak Spanish with native speakers by continuing our investigations of essential questions centered on the themes of personal identity, families and communities, science and technology, global challenges, beauty and aesthetics, and contemporary life. We build on our knowledge of the unique cultural heritage of Mexico and the greater Spanish-speaking world as we refine our use of Spanish to create fun and interesting projects to showcase our ability to compare cultures. This year-long course is designed for students who earned a "C" or better in Spanish One, for students who earned Spanish credit in middle school, or for students who come from homes where some Spanish is spoken but who feel that their Spanish is still basic.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: "C" grade or better in Spanish I or teacher recommendation.

### SPANISH III FLG009 (A) / FLG010 (B)

Take your Spanish to the next level and build your skills and confidence as a Spanish bilingual in Spanish Three! By now our students are well accustomed to using technology to access authentic resources from around the Spanish-speaking world and are proficient in reading, writing, listening and speaking Spanish with native speakers around the themes of personal identity, families and communities, science and technology, global challenges, beauty and aesthetics, and contemporary life. In Spanish Three, we learn to carry out more lengthy conversations, to give brief presentations and to do more sophisticated reading and writing as we build on our knowledge of the unique cultural heritage of Mexico and the greater Spanish-speaking world. We perfect our use of Spanish to create fun and interesting projects that showcase our ability to explain our ever expanding range of cultural knowledge. This year-long course is designed for students who have earned a “C” or better in Spanish Two, for students who earned Spanish credit in middle school, or for students who speak Spanish regularly.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 9-12  
Prerequisite: “C” grade or better in Spanish II or teacher recommendation.

### SPAN 221 - SPANISH IV / CHS CHSSPA (A) / CHSSPB (B)



Students in Spanish IV / CHS Spanish 221 may earn college credit from Skagit Valley College while studying at MVHS. Students will follow a pre-AP course of study designed to prepare students to understand and produce Spanish across the six themes outlined by the College Board. Students will master advanced grammar and vocabulary while using a wide array of technologies and completing fun and interesting projects to demonstrate their learning.

**Students have the option to register for 5 credits at Skagit Valley College. A tuition fee will be applied for the college credits.**

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: “C” or better in Spanish III or teacher recommendation.

### ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE FLG046 (A) / FLG047 (B)

This rigorous course is designated as an official AP course by the College Board and follows a syllabus that has been audited and accepted as meeting or exceeding the level of rigor found in university-level Spanish courses. Students in this course learn to perfect their ability to communicate across the six AP Spanish themes and about many different types of cultural topics presented with authentic resources. Each May, students enrolled in AP Spanish take the AP Spanish test along with their peers internationally. The test takes about 3 – 4 hours and provides an accurate measurement of a student’s proficiency in Spanish across the modes of reading, writing, listening, and speaking. If you think you’re up for the challenge we welcome you to AP Spanish!

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: “C” grade or better in either Spanish III and/or Spanish IV or teacher recommendation.

**ADVANCED PLACEMENT  
SPANISH LITERATURE & CULTURE  
FLG050 (A) / FLG051 (B)**

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). Students gain knowledge and understand the relationships between products, practices, and perspectives of the cultures studied in literary texts and through other media. Additionally, students continue to develop language proficiency across a full range of language skills, with special attention focused on language used in critical reading and analytical writing.

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 10-12  
Prerequisite: "C" grade or better in either Spanish III and/or Spanish IV or teacher recommendation.

**SPANISH FOR CONVERSATION: FILM AND MEDIA  
FLG060 (A) / FLG061 (B)**

¡Hablemos del cine! Let's talk about movies! This is a class for students who are proficient in Spanish and want to practice their conversational skills while speaking about quality films and media. We will view full length films from a range of notable Spanish language filmmakers, both classic and contemporary. In addition, we will view selections of critically acclaimed television programs and documentaries. During each class we will view a portion of the film or show and perfect our conversational Spanish by engaging in a variety of fun and fascinating practice activities designed for before, during and after the viewing. Join us!

Duration: 2 Semesters  
Credits Per Term: .5  
Target Population: 11-12  
Prerequisite: "C" or better in Spanish III, Spanish IV or AP Spanish

## Academic Learning Support Programs

### ACADEMIC SEMINAR

ALS100 (A) / ALS101 (B)

The primary objective of the Academic Seminar class is to provide freshmen with the vital connection to their new school, using the power of connection to a positive role model and social success in a safe and caring community. Some of the skills that freshmen will develop include: academic strategies for success, ability to work in groups, increased sense of being part of a caring community, raised awareness of and responsible behavior around social issues, and leadership, respect, and responsibility.

Duration: 2 Semesters

Credits Per Term: .5

Target Population: 9

Prerequisite: By counselor  
Recommendation

### ELD STUDY LAB

ESLMIF (Fall) / ESLMIS (Spring)

See course description under *English Language Development* - Pg. 34

### LEARNING LAB

ALS900 (Fall) / ALS901 (Spring)

Learning Lab students will have opportunity for individualized instruction based on focused areas using general education class materials for content. Students may receive teach-reteach, study strategy skills, self-determination instruction, etc.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 9-12

Prerequisite: Instructor Approval

### ADVANCED MATH / SCIENCE SUPPORT

MTH005 (Fall) / MTH006 (Spring)

See course description under *Mathematics* - Pg. 48 & *Science* - Pg. 52

### PARTNERS IN LEARNING

ALS120 (Fall) / ALS121 (Spring)

Do you find helping others to be rewarding? Then Partners in Learning is for you! A "Partner in Learning" is a peer mentor, providing teacher-guided instruction for a fellow student and functioning as part of a classroom team. Peer mentoring is a positive method for enhancing interactions between peer mentors and students who may be struggling. Student mentors will be interviewed and placed appropriately. Mentors must model and demonstrate positive student behaviors. Grade is based upon participation as well as three reflection papers written during the semester.

Duration: 1 Semester

Credits Per Term: .5

Target Population: 10-12

Prerequisite: Instructor Approval, good academic standing

### RISE

(*Responsibility & Independence in Student Education*)

The RISE program is designed to support students in achieving goals that are social, emotional, and behavioral in nature. In the Learning Lab environment, students receive supplementary individualized instruction in reading/writing, math, social sciences, P. E., and/or life skills, depending on credit requirements and qualifications. RISE classes incorporate social curriculum to address behavioral goals. Units of study include: self-determination, study skills, decision-making, goal setting, effective communication, anger management, and conflict resolution. Students also explore potential career interests and prepare for entering the world of work and independent living.

Target Population: 9-12

Prerequisite: Instructor Approval

**VOCATIONAL/ACADEMIC SKILLS**

This course focuses on functional academic and pre-academic skills for students with moderate to severe special needs. Each student works on a unique set of tasks guided by their plan. Students work under the direction of the Life Skills Teacher and with the support of instructional assistants. Students enrolled in this class graduate based upon an individual set of requirements instead of accumulating credits and passing necessary state-standardized tests.

Duration: 1 Semester

Target Population: 9-12

Prerequisite: Instructor Approval



## *School to Career Experiences*

### **WORK-BASED EXPERIENCE - PAID**

**BED025 (Fall) / BED026 (Spring)**

Students enrolled in these courses can receive work based experience credit for their paid positions in the community. Students enrolled in this course can receive early release or late arrival to work, if taken as a course within the school day. All hours must be documented and students must model and demonstrate punctuality, good communication skills, cooperative work habits and team efforts supportive of the industry and employer. Hold harmless agreements, medical insurance, as well as private transportation and vehicle insurance are required. Work hours must be completed during the semester in which credit is given. **Pass/fail grade.**

180 paid work hours = .5 credit

360 paid work hours = 1.0 credit

Duration: 1 Semester

Credits: .5 - 1.0 Credit based on work hrs.

Target Population: 11-12, must be 16

Prerequisite: Student must obtain and successfully maintain their paid job in order to earn credit.

### **SUPPORT SERVICES WORK BASED LEARNING**

**BED900 (Fall) / BED901 (Spring)**

Students enrolled in these courses can receive work experience credit for their paid positions in the community. All hours must be documented and students must model and demonstrate punctuality, good communication skills, cooperative work habits and team efforts supportive of the industry and employee. **Pass/fail grade.**

90 paid work hours = .5 credit

180 paid work hours = 1.0 credit

Duration: 1 Semester

Credits Per Term: Based on work hrs.

Target Population: 11-12, must be 16

Prerequisite: Instructor Approval

### **INDEPENDENT STUDIES**

Students wishing to pursue opportunities for independent research should see their teacher about exploring this option. This is an advanced course of study (an extension of an existing course only) for those who are interested in pursuing an individual research topic, advanced study, or project under the supervision of an instructor. Enrollment by instructor permission only. This can also serve as an avenue for students to complete their Culminating Project.

## *Alternative Programs*

### **EMERSON ALTERNATIVE SCHOOL**

Emerson is an alternative high school program for students who, for a variety of reasons, are unable to attend MVHS. Students under 18 must have parental permission. For further information, please contact the Counseling Department and see your counselor. Enrollment packets are available through MVHS Counseling office. All Emerson graduates must meet MVHS graduation requirements.

### **GRADUATION ALLIANCE**

#### **ON-LINE LEARNING**

Mount Vernon High School has an online program for students who want to earn their high school diploma. It is free. Students will be supported by a team of teachers who will communicate and tutor via e-mail. This program is for students who cannot attend our regular high school session or cannot attend our alternative program at Emerson. This program is by counselor permission only. For some students, this is an opportunity to transition back into the high school after being withdrawn for various reasons.

### **OPEN DOORS**

Open Doors is a re-engagement program that serves students, ages 17-21, who are no longer attending high school or who are still attending high school but who are significantly credit deficient. Students in the Open Doors Program have the option to earn a GED or competency based high school diploma. The high school diploma will be awarded through their home school district. Students also have the option to earn a college certificate or degree. Open Doors students also work closely with a navigator who will determine educational plans and provide guidance as students work toward their diploma.

### **PASS PROGRAM**

The PASS program is intended only for migrant-eligible students who, because of their family transition, must register for certain classes on a credit make-up status. Classes are taken on an after-school basis. For further information, please contact the district Migrant/Bilingual office.

### **RUNNING START**

Running Start is a program at Skagit Valley College for eligible Juniors and Seniors. With a 2.25 cumulative GPA or better, students are able, with parent and counselor permission, to be part-time to full-time students at SVC while enrolled at MVHS. For further information, please contact the Counseling office.



## 2018-2019 Course Offerings

The Northwest Career & Technical Academy is an extension of your high school where innovative educational opportunities are available. Programs offered will provide you with the skills, knowledge, and professional leadership training necessary for the workplace or continuing education through an apprenticeship, community college, or university. The Academy is tuition free for high school students; however some programs may have industry related costs/lab fees. Please see the Academy Catalog for full course descriptions, course requirements, high school credit equivalencies, and college credits. The Academy's website located at [nwtech.k12.wa.us](http://nwtech.k12.wa.us).

**Aerospace Manufacturing** prepares students for immediate employment in the aerospace and manufacturing industries. Students will fabricate, assemble, and repair structures using basic and advanced composite materials including carbon fiber. Students will also learn blueprint reading, CNC operation, and metal riveting using numerous pneumatic tools, and discover the dynamics behind flight, flight controls, and flight surfaces in all kinds of aircraft.



**Animal Care and Handling** prepares students for entry level employment in a variety of animal related occupations, such as a laboratory animal caretaker, veterinary kennel attendant, pet store clerk, and grooming assistant. This course also prepares students for entry into a Veterinary Assistant program. The content includes but is not limited to: animal-related career exploration, responsible animal care, work environment sanitation and safety, small mammal, reptile, avian and fish biology and care.

**Applied Medical Sciences** introduces students to the medical field, with an emphasis on knowledge and skills applicable to many medical occupations. Students explore medical careers in areas of interest, as well as in targeted high demand fields for future jobs. Students completing all course work and participating in a 50-hour clinical internship, will be eligible to become WA State Nursing Assistant Certified (NAC). Additionally, students will be able to test for the HIPAA certification.



**Automotive Services** provides the skills and the knowledge required for job entry in the automotive trade at the apprenticeship level or additional training in a career-technical institute. The course will consist of shop safety, shop organization and operation, theory and repair of engines, electrical systems, brakes, fuel systems, cooling systems, power trains, and suspension steering alignment. The students will make repairs on the automobile in these areas at the trade accepted standard. The students can supply their own projects or will be furnished a project to work on.

**Construction – Skilled Trades:** Electrical, Plumbing, Carpentry and Contracting develops the entry-level skills needed in residential electrical wiring, plumbing and carpentry contracting. Students will learn about work-site safety, construction-based applied math, safe use of hand and power tools, blueprint reading, communication skills, employability skills, material handling and framing skills. The program helps students explore a variety of construction-related career opportunities, develops appropriate work readiness skills and prepares them to enter construction-related apprenticeships, post-secondary education programs or entry-level jobs. Workplace safety, tool usage and job-readiness skills will be over-arching themes throughout each unit. Post high school training opportunities or entry-level employment in residential construction or facility maintenance careers in residential settings.



**Criminal Justice: Law Enforcement Focus** provides an overview of the criminal justice system and the careers available in this growing employment field. Students will investigate the roles of local and state law enforcement agencies, corrections, and other supporting careers. CPR training, hazardous materials awareness, and the National Incident Management system are also included in this program.

**Culinary Arts** combines culinary curriculum with on the job training in a commercial setting open to the public. Students deal with customers, production deadlines, and actual job functions. The students receive instruction in Kitchen Procedures, Deli and Barista Operations, Baking/Food Productions, Banquet and Catering service, and Storeroom Management. Students leave prepared for employment and/or culinary college.



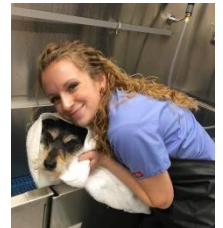
**Dental Assisting** -The Dental program prepares students to become Registered Dental Assistants through the State of Washington. Each student will experience hands-on learning offering valuable preparation for future placement in the exciting and demanding field of dental technology. Areas of study include: Occupational Industrial Safety/Hygiene, Oral Anatomy, Microbiology, Dental Terminology, Radiography, taking Bite-wing x-rays, Basic Chair-side Skills, Dental Equipment and Instrument Identification and Maintenance, as well as Sterilization and Disinfection and Head and Neck Anatomy.

**Fire Science & EMS** prepares students with the skills necessary to become a firefighter and EMT, and to be an integral part of a Community Emergency Response Team (CERT). Taught by fire-fighting professionals, students will participate in firefighter training; fire prevention, inspection and investigation; alarm systems; dispatching, and EMS. Students will learn in various fire training stations in the area and experience all this profession has to offer.



**Marine (Boat & Yacht) Services** is a hands-on new curriculum focused on the skills necessary for a successful future in the world of Maritime employment. Students will learn about preservation and maintenance of materials found on boats, marine and marina operations, customer service, boat handling and navigation, gelcoat and fiberglass repair, and an introduction to marine propulsion and engines. On the water and other field studies will be included in this course. Students wishing to continue in the marine field will be able to successfully transition into a variety of post-secondary options.

**Veterinary Assisting** is designed for Students interested in professions working with and caring for animals. Through hands-on learning and challenging academic coursework, students will develop the skills and knowledge necessary to obtain entry-level positions in a variety of animal care facilities, including veterinary hospitals, grooming shops, animal shelters, and boarding facilities.



**Video Game Development** explores the many facets of the video game development life-cycle: from asset creation to game design to coding. Students will learn to code in an industry-standard programming language, create their own 2D & 3D graphics, explore game design as part of a project team and combine these elements to create games using a professional game engine. With crossover credit options available, this could be the first step on the path to a career in computer science.

Innovative students can return for a second year of self-driven studies, earning more credits for applying their skills in advanced software development areas. Students must have successfully completed the first year of study and shown evidence of being an independent worker. Second Year Students earn 3.0 Computer Science credits.

**Welding** is an industry-based shop environment designed for the student who would like to develop a deeper understanding of metalworking as a foundation for continuing education or being in a job-ready market. Students are trained in the basic skills of oxy-acetylene welding, and cutting, shielded metal arc welding, gas metal and flux cored arc welding, gas tungsten arc welding, many other areas. Additionally, this program trains students in blueprint reading, math, layout and fit-up, and fabrication of a wide variety of projects.



Please check the website for current information. [wtech.k12.wa.us](http://wtech.k12.wa.us)  
 Like us on Facebook at:  
[facebook.com/nwcta](https://www.facebook.com/nwcta)

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