MEDICAL LAKE HIGH SCHOOL

2017-2018

COURSE CATALOG

P.O. Box 128
200 E. Barker Road
Medical Lake, WA 99022

Main Office: 509 565-3200
Fax: 509 565-3201

Mr. Chris Spring, Principal
Mr. Justin Blayne, Assistant Principal & Athletic Director

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WHO TO CONTACT

Administration

Principal ..... **Chris Spring**
Assistant Principal ..... **Justin Blayne**
Athletic Director ..... **Justin Blayne**

Counseling Staff

Counselor (Class of 2018 & 2020) ..... **Lori Wilbanks**
Counselor (Class of 2019 & 2021) ..... **Tatriana Muravez**

Find Out About:

Main Office **565-3200**
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Medical Lake High School

Our Motto

Every Student, Every Day

Mission Statement

It is our mission to ensure all students are prepared to be innovative, productive citizens in an ever-changing world.

Vision Narrative

We operate under the uncompromising belief that ALL students can learn. With highly qualified staff, parents and the community, we work collaboratively to provide rigorous, relevant and personalized learning experiences. Students are engaged, and acquire the skills to become college and career ready in the 21st Century.

Equal Opportunity Rights

Our school district operates under state and federal law assuring non-discrimination on the basis of sex, race, age, religious conviction, handicapping condition, etc. These rights relate to both employees and students. Regulations relating to sex discrimination in the student educational and activity programs in the law referred to as Title IX. The Director of Special Services for our district is our Title IX compliance officer. The Special Services office is located at Hallett Elementary School, telephone number (509) 565-3408.

Valedictorian

Medical Lake High School uses the following criteria to determine Valedictorian standing:

- All classes are counted except pass/fail
- Honors and advanced placement classes are weighted 0.2 (4.0 = 4.2)
- Advanced Independent Study (AIS) classes are not weighted.

HIGH SCHOOL GRADUATION REQUIREMENTS

The board shall award a regular high school diploma to every student enrolled in the district who meets the requirements of graduation established by the district. Only one diploma shall be awarded with no distinctions being made between the various programs of instruction which may have been pursued.

The board shall establish graduation requirements which, as a minimum, satisfy those established by the State Board of Education.

Subject Area	Class of 2018	Class of 2019 & Beyond
English	4.0	4.0
Mathematics	3.0	3.0
Science	2.0	3.0
Social Studies	2.5	3.0
Fine Arts	1.0	2.0 **
Health	.5	.5
Fitness	1.5	1.5
Career & Technical Ed. (CTE)/Occupational Education	1.0	1.0
World Language	0.0	2.0 **
Culminating Project	.5	.5
Electives	6.0	3.5
TOTAL	**22 Credits**	**24 Credits**

** 1 Fine Art credit can be substituted for 1 Personalized Pathway Requirement (PPR), or courses that lead to a specific post- high school career outcome chosen by the student.

** 2 World Language credits can be substituted for 2 PPR credits.

Students may, in their senior year, appeal to the principal to substitute Advanced Ag Communications for their fourth credit of English. Four-year colleges may not accept this replacement for college admission.

Students are required to be enrolled for at least eight (8) semesters.

Students will have the opportunity to meet the Washington State History/Government requirements in middle school, but not for high school credit.

After completion of two (2) seasons of sports, .5 fitness credit may be waived.

In addition to the minimum credit requirements, each student must complete:

1. A High School & Beyond Plan
2. Participate in Student-Led Conferences
3. Earn a Certificate of Academic Achievement or a Certificate of Individual Achievement.

A credit is defined as 150 hours of planned instructional activities excluding passing time. A Carnegie Unit (180-50 minute hours) is required unless a waiver process has occurred. No student may earn more than one credit/year to satisfy the state board requirements in English, mathematics, and science except as provided in RCW 28A.230.100. The board shall approve additional graduation requirements as recommended by the superintendent.

Tests Required for Graduation		
Class of	**Subject**	**Test**
2018	ELA	**Choose 1:** • Smarter Balanced ELA test (exit exam score)** • WA-AIM (exit exam score)**
	Math	**Choose 1:** • Algebra 1/Integrated Math 1 EOC exam • Geometry/Integrated Math 2 EOC exam • Smarter Balanced math test (exit exam score)** • WA-AIM (exit exam score)**
	Science	**Choose 1:** • Biology EOC exam • WA-AIM (exit exam score)** NO LONGER REQUIRED
2019 & Beyond	ELA	**Choose 1:** • Smarter Balanced ELA test (exit exam score)** • WA-AIM (exit exam score)**
	Math	**Choose 1:** • Smarter Balanced Math test (exit exam score)** • WA-AIM (exit exam score)**
	Science	• **TBD BY OSPI**

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

CREDIT AND GRADING POLICIES

Grading Information

Each student's "grade point average" shall be the sum of the point values of all the marks/grades received for all courses attempted, divided by the sum of the credits for all courses attempted. The grade point average shall be calculated by multiplying the numerical values of the mark/grade earned by the number of credits assigned to the course. The minimal passing mark/grade is a "D". Pass/Fail, credit/no credit, and satisfactory/unsatisfactory marks may also be used at the discretion of the teacher. These non-numerical marks/grades shall be clearly identified and excluded from the calculation of grade point average. Student aides receive a pass/fail grade.

The numerical values of grades are:

92.5 – 100%	=	A
89.5 – 92.49%	=	A-
86.5 – 89.49%	=	B+
82.5 – 86.49%	=	B
79.5 – 82.49%	=	B-
76.5 – 79.49%	=	C+
72.5 – 76.49%	=	C
69.5 – 72.49%	=	C-
66.5 – 69.49%	=	D+
59.5 – 66.49%	=	D
59.49 & Below	=	F

Honor Roll

Students earning a GPA of 3.25 – 3.49 will be included on the Honor Roll. Students earning a GPA of 3.5 – 4.0 will be included on the Principal's Honor Roll. Students will be included provided they have earned at least two (2) credits during the semester at Medical Lake High School or the Skills Center. Running Start credits are not used when compiling honor roll status.

Grade Corrections

If a grade received from a teacher is incorrect, students may obtain a form from the Counseling Center to request a change in the grade. The student should complete the form and submit it to the teacher from whom the grade was received. The teacher will review the grade and determine if the grade should change or stand. The grade change request is returned to the Counseling Center for inclusion in the permanent transcript.

Schedule Changes

Schedule changes may be made during the **first ten school days** if the following criteria are met:

- The change is from need, not preference, and does not create a class overload
- The parent, teacher and counselor approve of the change

Courses dropped after the **first two weeks of a semester** will result in a W (withdraw) which will be recorded on the official high school transcript but will not affect the GPA. If a course is dropped/changed after the **first or third quarter**, regardless of whether the student is passing or not, an F will be recorded on the official transcript and will affect the GPA. **Exception:** A student may be removed from a course at a teacher's request and will not result in penalty.

COUNSELING CENTER

Each student is a unique person, having individual abilities, values, goals and concerns. The counselors are trained to assist students with normal developmental concerns in personal, social, and scholastic matters. Assisting students in defining, evaluating and achievement of future personal, scholastic, and career goals is a major emphasis. Activities are planned as part of the counseling curriculum at each grade level and students are encouraged to meet with their counselors often during their high school years.

The counselor is responsible for assisting the students with educational planning, scheduling, and accounting of credits, grades and graduation requirements, as well as post high school applications. Counselors abide by the ethical standards set by the

American School Counseling Association. Matters discussed with students or parents remain confidential except in instances of clear and foreseeable harm to self or others or in instances where state statutes require reporting to appropriate authorities.

Counselors welcome student drop-in contacts before and after school and during lunchtime. Students are encouraged to make appointments with the counselors. Whether or not the student may be released from class at the appointment time is at the discretion of the teacher. If it is not a convenient time, the student is asked to make another appointment.

HIGH SCHOOL GRADUATION PLANNING SHEET – CLASS OF 2018
A TOTAL OF 22.0 CREDITS WILL BE REQUIRED TO GRADUATE

GRADE 9

1. ENGLISH	1. ENGLISH
2. MATHEMATICS	2. MATHEMATICS
3. ENVIRONMENTAL SCIENCE	3. ENVIRONMENTAL SCIENCE
4. PHYSICAL EDUCATION	4. HEALTH
5. _____	5. _____
6. _____	6. _____

GRADE 10

1. ENGLISH	1. ENGLISH
2. MATHEMATICS	2. MATHEMATICS
3. WORLD HISTORY	3. WORLD HISTORY
4. BIOLOGY	4. BIOLOGY
5. _____	5. _____
6. _____	6. _____

GRADE 11

1. ENGLISH	1. ENGLISH
2. MATHEMATICS	2. MATHEMATICS
3. U.S. HISTORY	3. U.S. HISTORY
4. _____	4. _____
5. _____	5. _____
6. _____	6. _____

GRADE 12

1. ENGLISH	1. ENGLISH
2. CWP	2. CWP
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____
6. _____	6. _____

GRADES 9-12: 2 SEMESTERS OF FINE ART
3 SEMESTERS OF PHYSICAL EDUCATION
1 SEMESTER OF CAREER AND TECHNICAL EDUCATION

POST-SECONDARY PLAN: (CIRCLE ONE)

WORK MILITARY VOCATIONAL/TECHNICAL SCHOOL TWO YEAR COLLEGE

CAREER PATHWAY: _____

HIGH SCHOOL GRADUATION PLANNING SHEET –CLASS OF 2019 & BEYOND
FOUR YEAR UNIVERSITY/COLLEGE

GRADE 9

1. ENGLISH	1. ENGLISH
2. MATHEMATICS	2. MATHEMATICS
3. ENVIRONMENTAL SCIENCE	3. ENVIRONMENTAL SCIENCE
4. PHYSICAL EDUCATION	4. HEALTH
5. _____	5. _____
6. _____	6. _____

GRADE 10

1. ENGLISH	1. ENGLISH
2. MATHEMATICS	2. MATHEMATICS
3. WORLD HISTORY	3. WORLD HISTORY
4. BIOLOGY	4. BIOLOGY
5. FOREIGN LANGUAGE	5. FOREIGN LANGUAGE
6. _____	6. _____

GRADE 11

1. ENGLISH	1. ENGLISH
2. MATHEMATICS	2. MATHEMATICS
3. U.S. HISTORY	3. U.S. HISTORY
4. ALGEBRA-BASED SCIENCE	4. ALGEBRA-BASED SCIENCE
5. FOREIGN LANGUAGE	5. FOREIGN LANGAUGE
6. _____	6. _____

GRADE 12

1. ENGLISH	1. ENGLISH
2. CWP	2. CWP
3. MATHEMATICS	3. MATHEMATICS
4. _____	4. _____
5. _____	5. _____
6. _____	6. _____

GRADES 9-12: 2 SEMESTERS OF FINE ART
3 SEMESTERS OF PHYSICAL EDUCATION
1 SEMESTER OF CAREER AND TECHNICAL EDUCATION
1 SEMESTER OF COMPUTERS
4 SEMESTERS OF THE SAME WORLD LANGUAGE
STUDENTS MUST COMPLETE ALGEBRA II

POST-SECONDARY PLAN: FOUR-YEAR UNIVERSITY/COLLEGE

CAREER PATHWAY: _____

STUDENT RECORDS

Test information, grades, and other information are maintained in each student's cumulative school record. Official transcripts are kept current and forwarded to colleges, the military, employers and other authorized institutions upon student and/or parent request.

Review of Student Records
Parents or legal guardians of students may review any or all of the school's records pertaining to the student. The parent or legal guardian should contact the counselor for an appointment. The records will be reviewed with school personnel. The parent/legal guardian may have copies of the records at any time but a two-week grace period is requested.

Student Transfers
Students are expected to attend the school based on the location of their residence. Students/parents who want to transfer should review the Board Policy.

Change of Address
A change in any directory information, i.e. address, phone numbers, parent/guardian, emergency contact person, etc., should be reported to the office secretaries. This is very important in case of emergencies and to ensure that parents and students receive all of the school's mailings as well as progress and grade reports. This information may also be updated on Skyward.

Withdrawing From School
A student withdrawing from school must come into the Counseling Center and pick up withdrawal paperwork. Parents are required to sign off on student withdrawals. The withdrawal paperwork is also necessary for the student to receive accurate withdrawal grades and to verify the return of all books, materials, etc. All fines/fees must be paid in full before withdrawing. Official transcripts will not be forwarded to the new school until all fines/fees and other obligations are paid.

Skyward Family Access
The administration and staff at Medical Lake High School recognize that many parents would like to be involved in their children's education. To make it easier for you to get involved, we are providing parents the ability to view student information anytime day or night. The software that makes this possible is Skyward's PaC Family Access. Family Access is available through our website www.mlsd.org. Parents are issued a password that enables them to use any computer connected to the Internet and access this information. Parents needing this information can contact the Counseling Center Secretary, Kim Zappone, at (509) 565-3270. For more information, check out the Family Access link at www.mlsd.org.

Nondiscrimination Rules in Effect

The Medical Lake School District complies with all federal and state rules and regulations and does not discriminate on the basis of race, color, national origin, sex, disability or religion. This holds true for all students who are interested in participating in educational programs and/or extracurricular school activities and district employment opportunities. Inquiries regarding compliance and/or grievance procedures may be directed to the school districts Title IX/RCW 28A.640 compliance officer and or Section 504/ADA coordinator: Tim Ames, Medical Lake School District, PO Box 128, Medical Lake, WA 99022, telephone number: (509) 565-3100.

CLUBS AND ACTIVITIES

Prior to participation in any activity or club, students must have an ASB card and a signed Activity Code on file in the high school office. These forms are located across from the business office.

AFTER SCHOOL AND EVENING
Students are encouraged to take advantage of the many scheduled activities that occur after regular school hours and in the evening. However, at the conclusion of the activity, students must arrange to leave the building immediately. An advisor, coach, teacher, or sponsor must supervise students participating in activities.

Activity buses leave the high school promptly at 4:45 daily, and are only for those students who remained after school for a supervised activity. Students may not leave the school and return to ride the activity bus.

Unless the student is remaining at school for an activity beginning immediately, students must leave the school building. Students will not be readmitted after leaving an event or activity.

ASB Advisories

Advanced Drama/Cardinal Players…….	Mr. Ross Niblock
Art Club……	Ms. Skylar Jones
ASB……	Ms. Maureen Fanion
Book Talkers……	Mrs. Diana Jones
Cheerleading……	Mrs. Tristan Tonasket
FBLA…….	Mr. Davin Perry
FCCLA……..	Ms. Maureen Fanion
FFA……	Mrs. Jennie Wagner
Freshman Class……..	Mr. Brett Ward
JROTC……..	Ret. Col. Lyle Powell/Chief Albert McGowan
Junior Class……	TBA
Key Club……	Mr. Terry Carver
Knowledge Bowl……..	Ms. Ginny Luhn & Mrs. Tara Feider
Leadership……	Ms. Maureen Fanion
Music, Instrumental……	Mr. Craig Johnson
Music, Vocal……	Mrs. Heidi Peterson
National Honor Society……...	Mrs. Tatriana Muravez
Robotics……	Mr. Daniel Soeland
Senior Class……	Mrs. Lori Wilbanks
Sophomore Class……	Mrs. Sue Anderson
Sports Medicine……..	Mr. Luke Corigliano
WDFY (Washington Drug-Free Youth)……	Mrs. Lori Wilbanks
Yearbook……	Mr. Davin Perry

Sports

Fall:	Cross Country……	Mr. Gene Blankenship
	Women's Soccer……..	Mr. Zane Higgins
	Football……..	Mr. Mo Owens
	Volleyball……	Mr. Todd Harr
Winter:	Men's Basketball……..	Mr. Noel Hachtel
	Women's Basketball…….	Mr. Kyle Lundberg
	Wrestling……	Mr. Matt Leenhouts
Spring:	Baseball……..	Mr. Austin Sharp
	Men's Golf……	Mr. Gary Hartman
	Women's Golf……	Mr. Jerry Ornelas
	Men's Soccer…….	Mr. Zane Higgins
	Softball……	Mr. Tim Blakely
	Men's Track……..	Mr. Gene Blankenship
	Women's Track……	Mr. Gene Blankenship
	Men's Tennis……..	Mr. Jake Wesselman
	Women's Tennis……	Ms. Dawn Eliassen
Yearly:	Cheerleading……..	Mrs. Tristan Tonaske

Description of clubs and Activities

Book Talkers

The Book Talkers Club is an open, friendly, and spontaneous group who are first to check out new library books. In addition to enjoying the camaraderie of eating lunch once a week and talking about books, the Book Talkers Club plans the activities in which they'd like to participate. Here are just a few examples: in past years they've had a book fair at Barnes & Noble at the Northtown Mall; had a field trip to a book store to select and purchase books with earnings from fund raisers, donating the books to the school library; had a catered lunch; chose and purchased a book for the club to read and talk about; volunteered at the District Reading Festival; had a potluck picnic at Waterfront Park; and sold Krispy Kreme Doughnuts.

Cardinal Players

Cardinal Players provides a safe place for students to express themselves and increase their confidence on stage, back stage and in their lives. Once weekly, we hold a meeting open to any and all students, ranging from students who just want something fun to do after school to students who passionately hope to pursue the performing arts in the future. For two hours every week we get together to play games, learn about theatre history, experience technical theatre, and discuss the nature of art. Besides our regular weekly meetings, we also put on events such as school plays, field trips, and potlucks in order to get to know each other and grow the community.

FFA – Future Farmers of America

FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. Our local Chapter at Medical Lake High School participates in a variety of Supervised Agricultural Experiences (SAE), Career Development Events and Leadership activities designed to develop agricultural leadership, strengthen student confidence in themselves and their work, while promoting the choice of an agricultural career. FFA is an inter-curricular program that consists of classroom instruction, and student experience outside the classroom as a supervised agricultural experience (SAE). Our curricular program consists of an agriculture career pathway of course work including; environmental science, biotechnology, plant science, agricultural mechanics and agricultural communications. Our out of class student organization, the Medical Lake FFA Chapter, consists of 48 members, 28 of which are girls, involved in a large variety of SAE projects. These experiences range from the more traditional projects, such as livestock production, gardening, and paid work experiences, to other projects, such as landscaping, construction, and research or exploration of different career options. Students also participate in "Career Development Events" which allow students to hone a variety of skills from technical contests, such as veterinary and food science, livestock and horse evaluation or leadership demonstrated by parliamentary procedure, public speaking in prepared, extemporaneous, and agricultural issues, as well as sales, marketing, and job interview skills. All students who attend Medical Lake High School have the opportunity to be involved in FFA.

Key Club

Key Club is a group of kids that come together to do various community service jobs. At the beginning of the year, we do events such as dances that are held almost once a month, for Lakeland and other surrounding homes. In the Fall, we do events like Turkey Bingo and Kids' Night Out during Christmas. We host the Valentine's Day and St. Patrick's Day dance for Lakeland. For Valentine's Day, we help with the senior luncheon at St. Maries. Around springtime, we attend the Easter egg hunt event, hosted by Kiwanis, for all ages. We have a school advisor, Terry Carver, and an advisor from the Kiwanis, Stan Johnson, who attend every meeting and event that we host. Also, we have office positions for the members in the club. Students run for President, Vice President, Secretary, Treasurer, and Public Relations Representative. Every year we hold new elections for the jobs. This is an excellent way to learn new skills that can be used later on for running organizations. Every year the students pay $12.00 for dues needed and at the end of the year we have a pizza party to wrap up our year and thank the kids for all the hard work they put into this club. For all the events that the kids attend, they receive community service hours to put towards graduation.

NHS – National Honor Society

The National Honor Society (NHS) is the nation's premier organization established to recognize outstanding high school students. More than just an honor roll, NHS serves to honor those students who have demonstrated excellence in the areas of scholarship, leadership, service, and character. These characteristics have been associated with membership in the organization since its beginning in 1921. Today, it is estimated that more than one million students nationwide participate in NHS activities. NHS chapters are found in all 50 states, the District of Columbia, Puerto Rico, many U.S. territories, and Canada. Chapter membership not only recognizes students for their accomplishments, but challenges them to develop further through active involvement in school activities and community service. Four main purposes have guided chapters of NHS from the beginning: to create enthusiasm for scholarship; to stimulate a desire to render service; to promote leadership; and to

develop character in the students of secondary schools. These purposes also translate into the criteria used for membership selection in each local chapter.

WDFY – Washington Drug Free Youth

WDFY, Washington Drug Free Youth, is a program designed to prevent substance abuse or help kids jump back on a healthier path. WDFY members commit to living clean and prove it through voluntary drug testing. PAML (Pathology Associates Medical Laboratories) takes care of the lab work for all the area schools. The local business community offers discounts to honor and recognize the kids involved in WDFY. WDFY is open to all students in grades 6-12 who have decided to "go with the flow" by choosing not to use. The kids come from a variety of backgrounds and interests but have one thing in common… they want to make good choices. Advisors are trained to work with the kids and offer support. With 23 chapters and over 2300 members, the teens really make a statement by joining *this* crowd. The club gives a voice to those who aren't using. The program invites parents and guardians, schools, and business owners to celebrate the students' efforts. It offers support to past drug and alcohol users and helps them start over. WDFY demonstrates that staying clean is actually the social norm. It's not only the right decision but the most popular choice.

Curriculum Guide & Course Descriptions

AFJROTC AEROSPACE SCIENCE

Air Force Junior ROTC provides dynamic leadership training, character development, citizenship education, and a demanding academic aerospace program. Aerospace studies comprise 60% of the curriculum and explore the historic and scientific aspects of aerospace technology. Lesson objectives are aligned with the Washington State Essential Academic Learning requirements. Classroom study includes the heritage of flight, human flight requirements, flight and navigation principles, development of aerospace power, aerospace vehicles, rocketry, space programs, space technology, and the aerospace industry. Cadets successfully completing AFJROTC classes receive the following credits: freshmen – Physical Science credit for Science of Flight; sophomores – World History credit for Aviation History; juniors – elective credit for Space Exploration or World Geography; and seniors – Current World Problems credit for Global and Cultural Studies. Cadets can also earn college credits through the University of Colorado at Colorado Springs by completing specific AFJROTC courses and submitting appropriate documentation.

Leadership Education comprises 40% of the curriculum. Cadets are introduced to military customs and courtesies, citizenship in the United States, first aid, health and fitness, survival skills, basic drill and ceremonies, written and verbal communications, management, human relations, and life after high school. Cadets gain invaluable leadership and interpersonal skills as they put learning into action while leading other cadets in elements, flights, squadrons and the Cadet Corps.

Drill Team is both a class and a competitive activity. It includes an Armed Drill Team, Color Guards and a Physical Training Team. The class meets during zero period and is an elective or PE credit depending on individual circumstances. The team hones their drill skills in three competition categories: regulation, exhibition and inspection. The Drill Team competes in the Cascade Mountain League with JROTC units from other high schools in Idaho, Washington and Oregon. The annual schedule consists of four meets and a championship.

The co-curricular activities offered to cadets enrolled in AFJROTC include drill team, color guard, rocketry and model clubs, orientation flights, Survival Weekend, and visits to military bases, aerospace facilities, museums and civilian airports. All of these activities are designed to promote leadership, teamwork, organization, planning, citizenship, and goal orientation.

Community service is a major part of the cadet experience and helps instill a sense of civic pride, responsibility and citizenship. We clean a section of WA 902 under the Adopt-A-Highway program, visit veterans at the VA hospital, help the custodians with cleaning after football and basketball games, and provide color guards for numerous school and civic events.

Cadets completing three or four years of Aerospace Science enjoy special advantages in applying for all military academy and ROTC scholarships. If a cadet plans on enlisting in a military service after graduation and has completed at least three years of Aerospace Science, he or she becomes eligible to enter the service in a pay grade higher than the normal enlistee. Enrollment in Aerospace Science does not cause the cadet to incur any military obligations or commitments.

Space Exploration – Aerospace 1A-1B

1 Year – Grade 9

Graduation Requirement: Earth/Space Science, CTE or Elective

Pre-Requisite: Instructor's and principal's permission

Purpose/Goals: Space Exploration is a science course that examines our Earth, the Moon, planets, and our universe as well as space technology, and continuing challenges of space and manned spaceflight. It is based on the Exploration of Space curriculum provided by the USAF while aligning with Next Generation Science Standards for Earth/Space Science.

Skills Developed: Space Exploration provides insights on technological and practical contributions society has received from space programs. Cadets analyze future developments and trends in space uses and exploration of gauge their impact on our daily lives. The leadership portion of the curriculum introduces students to AFJROTC program while instilling elements of good citizenship.

Major Assignments: Tests/quizzes, homework, projects, presentations, and drill. Uniforms are worn once a week and inspections occur once a month. Cadets assume increased responsibility for planning, executing and critiquing corps activities and field trips. Field trips, guest speakers and orientation flights (when offered by the AF) augment the academic instruction.

World History/Aviation History – Aerospace 2A-2B

1 Year – Grade 10

Graduation Requirement: World History, CTE or Elective
Pre-Requisite: Instructor's and principal's permission
Purpose/Goals: This course utilizes the Journey into Aviation History curriculum from the Air Force focusing on the impact of aviation on global historical events. The course is aligned to meet Washington State Grade Level Standards and Essential Academic Learning requirements.
Skills Developed: The ability to analyze the impact historical events and technology on current conditions, as well as writing and speaking are integrated into the curriculum. Leadership studies also focus on communication skills in the context of individual, team, and leadership actions..
Major Assignments: Tests/quizzes, homework, projects, presentations, and advanced drill. Uniforms are worn once a week and inspections occur once a month. Leadership activities include communication skills, understanding individual and group behavior, basic leadership concepts and advanced drill. Field trips, guest speakers, and orientation flights (when offered by the AF) augment the academic instruction.

Space Exploration – Aerospace 3A-3B

1 Year – Grade 11

Graduation Requirement: Earth/Space Science, CTE or Elective
Pre-Requisite: Instructor's and principal's permission
Purpose/Goals: Space Exploration is a science course that examines our Earth, the Moon, planets, and our universe as well as space technology, and continuing challenges of space and manned spaceflight. It is based on the Exploration of Space curriculum provided by the USAF while aligning with Next Generation Science Standards for Earth/Space Science.
Skills Developed: Space Exploration provides insights on technological and practical contributions society has received from space programs. Cadets analyze future developments and trends in space uses and exploration of gauge their impact on our daily lives. The leadership portion is focused on preparing students for life after high school using the AF JROTC's Leadership Skills and Career Opportunities curriculum.
Major Assignments: Tests/quizzes, homework, projects, presentations, and drill. Uniforms are worn once a week and inspections occur once a month. Cadets assume increased responsibility for planning, executing and critiquing corps activities and field trips. Field trips, guest speakers and orientation flights (when offered by the AF) augment the academic instruction.

Aerospace Aviation/Ground School - 3AAV-3BAAV

1 Year – Grades 11-12

Graduation Requirement: CTE or Elective
Pre-Requisite: Needs to have taken 2 years of JROTC including Science of Flight.
Purpose/Goals of Class: Provides the foundation for students interested in receiving a private pilot's license.
Students will comprehend the fundamentals of flight, understand flight operations, understand the atmosphere and its effect on aircraft operations and understand the basics of navigation and how to use air navigation charts and radio aids. They will apply the principles of aeronautical decision-making, the principles of flight-related physiological factors and prepare to pass the Federal Aviation Administration (FAA) written exam.
Unique Learning Opportunities: Participate in an incentive flight (if offered by AF)**,** learn basic drill maneuvers**,** practice leadership as part of a cadet structure, demonstrate proper wear of the USAF uniform and are eligible to participate on the armed drill team

CWP/Global and Cultural Studies – Aerospace 4A-4B

1 year – Grade 12

Graduation Requirement: CWP, CTE or Elective
Pre-Requisite: Instructor's and principal's permission
Purpose/Goals: This course is designed to contribute to each cadet's ability to adapt to the changing world around us. Cadets gain increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and roles in the world. It uses the AF provided Cultural Studies curriculum to look at the themes of human rights, environmental issues, globalization, and economics. Civic Action and responsibility are addressed through the leadership portion. The course is aligned to meet Washington State Grade Level Standards and Essential Academic Learning requirements. Advance study and practical application of leadership and management techniques are stressed.
Skills Developed: Cadets analyze cultural, economic, governmental, and environmental issues to evaluate their impact on world events and international relationships. Through role playing and active involvement in school activities, cadets practice and apply the skills and methods required to effectively and efficiently lead and manage the corps of cadets.
Major Assignments: Tests/quizzes, homework, projects, briefings, unit assessment, staff duties, leading the corps and organizing all corps activities. Constructing checklists and composing operations instructions. Executing checklists and

operating all corps activities and performing duties of assigned corps job. Uniforms are worn once a week and inspections occur once a month. Field trips and orientation flights (if offered by AF) augment the academic instruction.

Drill Team

1 Year – Grades 9-12

Graduation Requirement: PE, CTE or Elective
Pre-Requisite: Instructor's and principal's permission
Purpose/Goals: Cadets sharpen and polish basic drill skills to a fine edge in preparation for competition with other JROTC units for awards and prizes. Members practice a variety of complex drill movements while training with Daisy replica drill rifles to learn both regulation and exhibition routines for competition. The team also marches in parades, performs at school assemblies and supports community programs.
Skills Developed: Rifle spins, rifle tosses, precision drill movements, teamwork, physical stamina, organization, planning, and self-management.
Major Assignments: Performance tests on manual of arms, regulation routine and exhibition routine, uniform inspections, memorization of general knowledge information, identification of rifle parts and components, practice at home, and attendance at practices and class.

FINE ARTS

Concert Band

1 Year – Grades 9-12

Graduation Requirement: Fine Art or Elective
** PE waivers are available for .5 credit if Band is taken for the entire year.
Pre-Requisite: Must have director's permission/non-audition group.
Purpose/Goals: This group will work on fundamentals of musical development (scales, rudiments, etc.) as well as performances. Students are to perform at pep band and marching band.
Skills Developed: Emphasis will be placed on both ensemble and solo playing. Technical and academic understanding of all forms of band music will be stressed along with personal growth on instrument. Private lessons are not required but highly encouraged.
Major Assignments: Performances/contests/festivals.
Costs: Performance shoes, socks, group shirts, dry cleaning fees, and spending money for trips.
Special Requirements: Attendance will be required at a series of community and school concerts, assemblies, athletic events, and extra rehearsals. Students are required to work on fund raising and band projects. We expect to be known as a "class act".

Drama

1 Year - Grades 9-12

Graduation Requirement: Fine Art or Elective
Pre-Requisite: None
Purpose/Goals: Beginning Drama is an introduction to theater and performing. This is a "performing" class; almost all assignments are oral and will include storytelling, oral interpretation, monologue, improvising, radio and TV commercials, scenes from plays, stage make-up and puppetry.

Jazz Ensemble

1 Year - Grades 9-12

Graduation Requirement: Fine Art or Elective
Pre-Requisite: Previous band experience and selection by audition and must have director's permission. Must also be a member of a wind ensemble or concert band.
Purpose/Goals: Private lessons are highly recommended. Instrumentation includes tenor, alto, and bari saxophones, trumpets, trombones and piano, bass, drums, and guitar. We will be playing many styles of jazz including swing, Latin, ballads, and rock/funk. The student will also learn the basics of improvisation.
Skills Developed: Play for concerts, festivals, and other community events. To learn the basics of jazz and perform as a group to the best of our abilities.
Major Assignments: Performances/concerts.
Costs: Tux shirts ($20.00), black dress pants, black dress shoes, vests, and button covers furnished by the school. Renting school-owned instruments contains a fee of $25.00 a semester or $50.00 a year. This covers repair and cleaning of the instruments and has been approved by the school board.
Special Requirements: Attendance will be required at all performances. Required to work on fund-raising and band projects. There is no district transportation available for this zero hour class. **Running Start Students:** In order to be in jazz band, you must also be a member of wind ensemble or concert band.

Windborne Choir

1 Year - Grades 9-12

Graduation Requirement: Fine Art or Elective Credit

Pre-Requisite: Sincere desire to acquire sophisticated vocal skills such as intonation, sight reading, and vowel formation. Audition and permission of director.

Purpose/Goals: This choir is the public relations arm to the community. Basic vocal skills are continued to an advance degree and all styles of music for smaller groups are explored. This group does concentrate on chamber music as well as popular musical styles complete with instrumental combo and occasional choreography. The group presents at least four concerts a year, performs at various civic activities, and participates in selected contests, festivals and clinics in the surrounding area.

Skills Developed: Ensemble blend and balance, vocal intonation, the use of inflections, and learning all vocal styles from renaissance to contemporary pop and jazz.

Major Assignments: Performances

Costs: Performance shoes, socks/nylons, group shirts, dry cleaning fees, and spending money for trips.

Special Requirements: Some fund raising activities and traveling to various functions. Participation required at performances and extra rehearsals. Since this class meets during "zero" hour (7:00 a.m.) students must arrange their own transportation.

Digital Design I Foundations

1 Year - Grades 9-12

Graduation Requirement: Fine Art, CTE or Elective

Pre-Requisite: None

This course will focus on career exploration in the field of Graphic Communications. Course will include theories, methods and techniques used in the graphic communication fields. Instruction will include; prepress, and post press phases of production operations, basic digital imaging, other reproduction methods, communication and employability skills, and safety.

The Adobe Creative Suite of programs is used in this class. Students will have an opportunity to begin putting together a digital art portfolio. This is a Tech Prep class that offers free college credit to students that qualify .

All students will participate in the annual digital art show.

Digital Design II Advanced (Visual Communications)

Tech Prep

1 Year - Grades 10-12

Graduation Requirement: Fine Art, CTE or Elective

Pre-Requisite: Digital Design I Foundations

This course will focus on career exploration in the field of Graphic Communications. Course will include theories, methods and techniques used in the graphic communication fields. Instruction will include; prepress, and post press phases of production operations, basic digital imaging, other reproduction methods, communication and employability skills, and safety.

The Adobe Creative Suite of programs is used in this class. Students will have an opportunity to begin putting together a digital art portfolio. This is a Tech Prep class that offers free college credit to students that qualify .

All students will participate in the annual digital art show.

Multimedia Production & Game Design

Tech Prep

1 Year - Grades 9-12

Graduation Requirement: Fine Art (1st semester only), CTE or Elective

Pre-Requisite: None

Purpose/Goals: Foundations of Photography and Video (Semester 1): students will learn basic theories, methods and techniques used to plan, produce and distribute photos and video. Includes instruction in sound, lighting, carera options, composition, production preparation, and related computer applications.

Video Game Design and Intro into Computer Programming (Semester 2): Students will explore computer game design and programming through the Microsoft IT Academy and www.code.org curriculum.

Skills Developed/Opportunities: Foundations of Photography and Video (Semester 1): students will explore careers in the fields of photography and video production.

Video Game Design and Intro into Computer Programming (Semester 2): Students will be able to write computer code in order to create video games.

Annual/Yearbook

1 Year - Grades 9-12

Graduation Requirement: Fine Art, CTE or Elective
Purpose/Goals: The prime purpose of the Annual staff is the publication of the yearbook *"The Cardinal"* for the current school year.
Skills Developed: Layout design, computer technology, cooperation in small group work, copy writing, photo-journalistic techniques, functioning under deadline system are skill areas in Annual publication.
Major Assignments: Participation in all deadlines, selling of advertisements, and other moneymaking activities in support of the yearbook.

Industrial Arts

1 Year – Grades 9-12

Graduation Requirement: Fine Art, CTE or Elective
Pre-Requisite: None
Course Description: This class will stress the importance of safety in multiple shop settings. This course will teach students about many different concepts in multiple industries, including but not limited to woodworking, ceramics/tile, and metallurgy. The students will learn about careers in these industries as well.

Introduction to Engineering Design: Project Lead the Way

1 Year - Grades 9-12

Graduation Requirement: CTE, Fine Art or Elective
Pre-Requisite: None
Purpose/Goals of Class: Introduction to Engineering Design is a full year course designed to use project based learning to understand and use basic Engineering skill. The course is built around the Design Process and solving problems. Throughout the course students are tasked with designing solutions to various problems, while gaining real world skills. Instant Challenges and full scale projects challenge student to solve problems while staying within a certain time limit and professional expectation. This course is the beginning of the Engineering pathway created by Project Lead the Way.
Skills Developed: Introduction to Engineering Design focuses on two main ideas, the ability to solve any problem and using Autodesk® Inventor® to model the solution. Throughout the course we will be building onto these two skills as we tackle the various projects and challenges of the course. Additionally, prototyping with 3D printers, solution research and development, reversing engineering and many other engineering skills will be learned in order to complete the various projects during the year.
Major assignments: Throughout the year, Instant Challenges push students to create effective solutions in a short time. Students have 2 major projects, at mid-term and end-of-year, that requires students use all the knowledge and skill obtained in order to successfully complete on time. Skill building exercises fill the gaps in between projects to prepare students for the challenges to come and build the skill any engineer would need in the real world.

Plant Science
Tech Prep

1 Year - Grades 9-12

Graduation Requirement: Lab Science, CTE, Fine Art, or Elective
Pre-Requisite: Physical Science/Environmental Science
Purpose/Goals: Horticulture is a course designed to introduce students to the fundamentals and applications of plant science. Horticulture will offer students both classroom and greenhouse experiences.
Skills Developed: Students will gain an understanding of plant identification, growth, and reproduction. Plant production and marketing will be emphasized. Students will also become familiar with greenhouse structures and operations and recognize plant posts and pesticides.
Major Assignments: Horticulture will involve both classroom and laboratory greenhouse instructions. Hands-on plant propagation techniques will be applied. Students are expected to become involved in several laboratory exercises as well as individual and group leadership/FFA activities.

- Tech Prep: AGHRT 103, Introduction to Greenhouse and Nursery Production, AGHRT 105, Horticulture Retail Sales, SCC

AGRICULTURE

Biology/Animal Science
1 Year – Grades 9-12

Graduation Requirement: Lab Science, CTE or Elective
Pre-Requisite: Physical Science/Environmental Science (unless taking as a 9th grader)
Purpose/Goals: This is a general course that focuses on the scientific principles that underlie the breeding and husbandry of agricultural animals. Students will also learn about the production, processing, and distribution of agricultural animal products. Instruction in the animal sciences includes animal husbandry and production, as well as agricultural and food products processing.

As with all agriculture courses, instruction and assessment in the Supervised Agriculture Experience (SAE) is a requirement. The Supervised Agriculture Experience includes placing a student in a position where he or she will learn the practices of entrepreneurship and the fundamentals of research and experimentation in the agricultural field. Participants in the SAE will conduct exploratory projects with the purpose of learning about and improving practices in their surroundings.
SAE.01. This course will include instruction in and Student involvement in Supervised Agriculture Experience Projects (SAE).

Units 1:Career Exploration
Unit 2: History and Use of Animals
Unit 3: Animal Handling and Safety
Unit 4: Cells and Tissues
Unit 5: Nutrition
Unit 6: Animal Reproduction
Unit 7: Animal Genetics
Unit 8: Animal Health

Biotechnology/Biology (offered 2018-19 school year)
1 Year – Grades 9-12
Graduation Requirement: Lab Science, CTE or Elective
Pre-Requisite: Physical Science/Environmental Science
Purpose/Goals: Applied Biology/Chemistry (ABC) is an integrated course that addresses the needs of students who learn abstract concepts through concrete experiences. Hands-on laboratory activities, cooperative learning opportunities and video programs with text materials empower students to explore science, experience its applications, understand its concepts, and connect science to real-life experiences. ABC instructional units include water, animal life processes, plant growth and reproduction, microorganisms, continuity of life, water and waste management, nutrition, natural resources and continuity of life.

Plant Science
Tech Prep
1 Year - Grades 9-12

Graduation Requirement: Lab Science, CTE, Fine Art, or Elective
Pre-Requisite: Physical Science/Environmental Science
Purpose/Goals: Horticulture is a course designed to introduce students to the fundamentals and applications of plant science. Horticulture will offer students both classroom and greenhouse experiences.
Skills Developed: Students will gain an understanding of plant identification, growth, and reproduction. Plant production and marketing will be emphasized. Students will also become familiar with greenhouse structures and operations and recognize plant posts and pesticides.
Major Assignments: Horticulture will involve both classroom and laboratory greenhouse instructions. Hands-on plant propagation techniques will be applied. Students are expected to become involved in several laboratory exercises as well as individual and group leadership/FFA activities.

- Tech Prep: AGHRT 103, Introduction to Greenhouse and Nursery Production, AGHRT 105, Horticulture Retail Sales, SCC

Agricultural Communications/Journalism
Tech Prep
1 Year - Grades 10-12

Graduation Requirements: Senior English, CTE or Elective
Pre-Requisite: None
Course Description: The purpose of this course is to help students attain professional and personnel success through effective oral and written communication. Competence in written and oral communications is essential to be effective in the business and professional world. This course will meet all standards relative to the communication essential academic learning requirement.
Course Goals: The student will:

- Understand leadership, categories and styles, and acquire personal leadership development
- Communicate and speak before a group developing skills in prepared public speaking, extemporaneous speaking, group dynamics, and team building.
- Demonstrate their abilities in sales, marketing, job interview and a public issues forum.
- Exercise conceptual thinking skills by problem solving, decision-making, consensus building, and goal setting.
- Discover a career pathway through career exploration and job shadowing and develop a good work ethic
- Tech Prep: AGHRT 173, Agricultural Leadership Training, SCC

ENGLISH

English 9
1 Year - Grade 9

Graduation Requirement: Freshman English
Pre-Requisite: None
This class provides a foundation for success in high school level reading comprehension (basic comprehension, analysis, and critical thinking) and basic composition skills (the writing process, sentence/paragraph/essay construction/mechanics) utilizing a variety of literary genres, informational and literary texts, and writing modes. Oral communication skills and teamwork/cooperative learning skills will also be introduced.

Honors English 9
1 Year - Grade 9

Graduation Requirement: Freshman English
Pre-Requisite: Completion of a summer assignment is required. Test scores and previous grades and/or teacher recommendation may be used if space is limited. Students must maintain at least a C average to remain in the course the entire year and have excellent study and organizational skills. A successful honors student is self-motivated and manages his/her time wisely.
This class has the same essential requirements as English 1-2, however, the pace is accelerated, the content is taken to a greater depth, and time spent outside of class completing projects is mandatory. Additional resources are used for enrichment. The goal is to prepare the students for more rigorous courses and ultimately the AP exam.

English 10
1 Year - Grade 10

Graduation Requirement: Sophomore English
Pre-Requisite: Successful completion of English 9.
This class builds upon the foundation provided in English 1-2. It moves beyond the basic reading comprehension skills and strategies into deeper analysis and critical thinking, continuing to prepare the students for success in future high school level reading. The students' writing skills will progress, using the writing process, to five paragraph essays and beyond, utilizing a more diverse and challenging variety of literary genres, informational and literary texts, and writing modes, including a research paper. Advanced oral communication skills and teamwork/cooperative learning skills will continue to be practiced.

Honors English 10
1 Year - Grade 10

Graduation Requirement: Sophomore English
Pre-Requisite: Successful completion of English 9.
Completion of a summer assignment is also required. Test scores and previous grades and/or teacher recommendations may be used if space is limited. Students must maintain at least a C average to remain in the course the entire year and have excellent study and organization skills. A successful honors student is self-motivated and manages his/her time wisely.

This class has the same essential requirements as English 3-4, however, the pace is accelerated, the content is taken to a greater depth, and time spent outside of class completing projects is mandatory. Additionally, a background in humanities and world literature is provided for enrichment. The goal is to prepare the students for more rigorous courses and ultimately the AP exam.

English 11

1 Year - Grade 11

Graduation Requirement: Junior English
Pre-Requisite: Successful completion of English 10.
This class builds upon the foundation provided in English 1-2 and English 3-4. It moves beyond basic reading comprehension skills and strategies into deeper analysis, synthesis, and evaluation of more complex and abstract ideas, preparing the student for future success in advanced levels of education or the workplace. The students' writing skills will progress, using the writing process, to more sophisticated five paragraph essays and beyond, utilizing primarily American literature and its themes, as well as other literary genres, informational and literary texts, and writing modes. Advanced oral communication skills and teamwork/cooperative learning skills will continue to be practiced and refined.

AP English Language and Composition

1 Year - Grade 11

Graduation Requirement: Junior English
Pre-Requisite: Junior standing plus successful completion of English 9, 10. This class is designed for college prep students.
Purpose/Goals: AP English Language and Composition is designed to be a college/university level course preparing students for the AP exam in May from which they may receive college credit provided they pass the test.
Skills Developed: Expose students to the complexities of language, rhetoric, synthesis, argumentation, and grammar. The literary component of the course provides a range of genres including nonfiction, fiction, drama and poetry. In examining style, students will see how elements of language—tone, diction, syntax—influence meaning. The ultimate goal is to become a proficient writer prepared to succeed in college and pass the exam.

Bridge to College English

1Year – Grade 12

Graduation Requirement: Senior English
Pre-Requisite: For seniors who score a level 2 on the ELA SBAC assessment
Description: The course curriculum emphasizes focused reading, writing, speaking & listening, and research work based on Washington State's K-12 Learning Standards for English language arts (the Common Core State Standards, CCSS-ELA). This course will develop students' college and career readiness by building skills in critical reading, academic writing, speaking and listening, research and inquiry, and language use as defined by the CCSS-ELA for high school. Students will engage with rigorous texts and activities that support the standards' additional goals of developing the capacities of literacy, including deepening appreciation of other cultures, valuing evidence and responding to varying tasks across content areas, and navigating technology to support their work. Students will learn to evaluate the credibility of information, critique others' opinions, and construct their own opinions based on evidence. By the end of the course, students will be able to use strategies for critical reading, argumentative writing, and independent thinking while reading unfamiliar texts and responding to them in discussion and writing. The course will also develop essential habits of mind necessary for student success in college, including independence, productive persistence, and metacognition. For seniors who score in Level 2 on the Smarter Balanced 11th grade assessment, the Bridge to College English Language Arts (ELA) course will offer an opportunity (with a B or better course grade) to place into college credit courses when entering college directly from high school.

English 12

1 Year - Grade 12

Graduation Requirement: Senior English
Pre-Requisite: Successful completion of English 11.
This class builds upon the foundation provided in previous English courses. It moves beyond basic reading comprehension skills and strategies into deeper analysis, synthesis, and evaluation of more complex and abstract ideas, preparing the student for future success in advanced levels of education and the workplace. The students' writing skills will progress, using the writing process, to more sophisticated five paragraph essays and beyond, utilizing a variety of literary genres, informational and literary texts, and writing modes, including technical writing. Teamwork/cooperative learning skills will continue to be practiced,

and advanced oral communication and presentation skills using multimedia technology will be perfected for senior board presentations.

AP English Literature and Composition

1 Year – Grade 12

Graduation Requirement: Senior English
Pre-Requisite: Senior standing plus successful completion of English 9, 10, 11. This class is designed for college prep students.
Purpose/Goals: AP English Literature and Composition is designed to be a college/university level course preparing students for the AP exam in May from which they may receive college credit provided they focus on the material covered and undertake the personal challenges provided throughout the year.
Skills Developed: Close reading, analysis of style, meanings and techniques used by authors, discussions, writing techniques, vocabulary and research will be incorporated through the literature that reflects an understanding of the human condition of ourselves and others.
Major Assignments: A wide variety of literature is assigned along with AP prompts for writing inside and outside of class, literary analysis papers, response questions and oral presentations.

Agricultural Communications/Journalism
Tech Prep

1 Year – Grade 12

Graduation Requirements: Senior English (by permission from counselor and instructor)
Pre-Requisite: None
Course Description: The purpose of this course is to help students attain professional and personnel success through effective oral and written communication. Competence in written and oral communications is essential to be effective in the business and professional world. This course will meet all standards relative to the communication essential academic learning requirement.
Course Goals: The student will:

- Understand leadership, categories and styles, and acquire personal leadership development
- Communicate and speak before a group developing skills in prepared public speaking, extemporaneous speaking, group dynamics, and team building.
- Demonstrate their abilities in sales, marketing, job interview and a public issues forum.
- Exercise conceptual thinking skills by problem solving, decision-making, consensus building, and goal setting.
- Discover a career pathway through career exploration and job shadowing and develop a good work ethic
- Tech Prep: AGHRT 173, Agricultural Leadership Training, SCC

CAREER AND TECHNICAL EDUCATION

Modern Day Mechanics

1 Year – Grades 9-12

Graduation Requirement: CTE or Elective
Pre-Requisite: None
In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in modern day mechanics. Instructional areas include: safety, the basic fundamentals of small engines, basic electricity, basic construction and wood working, basic metal working techniques, and operating equipment safely, and technology in the mechanics industry.

Sports Medicine 1

1 Year
Grades: 9-12

Graduation Requirement: CTE or Elective
Pre-Requisite: None
Course Description: Sports Medicine is an umbrella term that encompasses a variety of health-care professions. The purpose of this class is to provide students with the opportunity to explore these occupations. Furthermore, students will develop an understanding and clinical knowledge of anatomy and physiology, pathologies, injury prevention, emergency care, and taping procedures through the utilization of hands-on learning, guest speakers, lectures, and projects.
Unique Experience: Students will complete practicum hours in the Medical Lake Athletic Training Room. Hours may include daily (practice) routines or game coverage. During this time, students will be able to apply knowledge of taping and

pathologies through observation and hands-on experience. Furthermore, students will be able to tour cadaver labs and speak to medical professionals.
Certifications: Students will receive their Adult, Child, and Infant CPR/AED/First Aid certification.

Advanced Sports Medicine
1 Year
Grades: 10-12

Graduation Requirement: CTE or Elective
Pre-Requisite: Sports Medicine (Intro)
Course Description: Students in this class have a knowledge base of anatomy and physiology, pathologies, injury prevention, emergency care, and taping procedures. Advanced Sports Medicine students will build on this foundation and learn about various body systems, general medical conditions, infectious diseases, rehabilitation, dermatological conditions, and employment and legal issues in health-care. Utilizing hands-on learning, project-based learning, guest speakers, lectures, and presentations, students will acquire both academic and clinical experience in an effort to prepare those who plan to enter a career in health-care.
Unique Experience: Students will complete practicum hours in the Medical Lake Athletic Training Room. Hours may include daily (practice) routines or game coverage. During this time, students will be able to apply knowledge of taping and pathologies through observation and hands-on experience. Furthermore, students will be able to tour cadaver labs and speak to medical professionals.
Certifications: Students will receive their Adult, Child, and Infant CPR/AED/First Aid certification.

Industrial Arts
1 Year
Grades: 9-12

Graduation Requirement: Fine Art, CTE or Elective
Pre-Requisite: None
Course Description: This class will stress the importance of safety in multiple shop settings. This course will teach students about many different concepts in multiple industries, including but not limited to woodworking, ceramics/tile, and metallurgy. The students will learn about careers in these industries as well.

STEM
SCIENCE, TECHNOLOGY, ENGINEERING AND MATH

Manufacturing
1 Year - Grades 9-12

Graduation Requirement: CTE or Elective
Pre-Requisite: None
This course will focus on career exploration in the field of Manufacturing. Course focuses on the theories, methods and techniques used in the Manufacturing fields. Instruction includes materials, manufacturing processes, 3d modeling, automation, communication and employability skills, and safety.
Purpose/Goal of Class: The focus of the will be on the following areas: Wood technology, safety, employability skills, 3d modeling, automation and engineering.
Unique Learning Opportunities: This class will give students the opportunity to learn the methods and techniques used in various Manufacturing fields.

Principles of Biomedicine
1 Year - Grades 9-12

Graduation Requirement: CTE or Elective
Pre-Requisite: Biology
In the introductory course of the Project Lead The Way Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments and solve problems.
Purpose/Goal of Class: The focus of the will be on the following areas: biology, medicine, research and preparing students for the Biomedical pathway.

Human Body Systems

1 Year - Grades 10-12

Graduation Requirement: CTE or Elective

Pre-Requisite: Biology, Principles of Biomedicine

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases

Purpose/Goal of Class: The focus of the will be on the following areas: biology, medicine, research and preparing students for the Biomedical pathway.

Introduction to Engineering Design: Project Lead the Way

1 Year - Grades 9-12

Graduation Requirement: CTE, Fine Art or Elective

Pre-Requisite: None

Purpose/Goals of Class: Introduction to Engineering Design is a full year course designed to use project based learning to understand and use basic Engineering skill. The course is built around the Design Process and solving problems. Throughout the course students are tasked with designing solutions to various problems, while gaining real world skills. Instant Challenges and full scale projects challenge student to solve problems while staying within a certain time limit and professional expectation. This course is the beginning of the Engineering pathway created by Project Lead the Way.

Skills Developed: Introduction to Engineering Design focuses on two main ideas, the ability to solve any problem and using Autodesk® Inventor® to model the solution. Throughout the course we will be building onto these two skills as we tackle the various projects and challenges of the course. Additionally, prototyping with 3D printers, solution research and development, reversing engineering and many other engineering skills will be learned in order to complete the various projects during the year.

Major assignments: Throughout the year, Instant Challenges push students to create effective solutions in a short time. Students have 2 major projects, at mid-term and end-of-year, that requires students use all the knowledge and skill obtained in order to successfully complete on time. Skill building exercises fill the gaps in between projects to prepare students for the challenges to come and build the skill any engineer would need in the real world.

Principles of Engineering (POE): Project Lead the Way

1 Year – Grades 10-12

Graduation Requirement: CTE or Elective

Pre-Requisite: Successful completion of Introduction to Engineering Design (IED) or current enrollment in college preparatory math and science.

Purpose/Goals of Class: Principles of Engineering (POE) is a survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a college level engineering course. Students have an opportunity to investigate engineering and expand knowledge in physics, math, material science, energy and machine control, through activity-, project-, problem based learning. Team based activities continually hone interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. Students have opportunities to use their knowledge to tackle real engineering problems and prototype their solutions using VEX robotics, 3D printers, and virtual methods. Anyone considering a physics or engineering based career would gain valuable experience from this course.

Skills Developed: Employing engineering and scientific concepts in the solution of engineering design problems, documenting work and communicating solutions to peers and members of the professional community, familiarization with the types of engineers and the various problems they solve, understanding mechanisms and machines such as levers, pulleys, gears and sprockets, conducting experiments to calculate, mechanical advantage, work, power and efficiency, understanding energy concepts such as work, power, conversion, and conservation, classifying energy sources as non-renewable, renewable, or inexhaustible, understanding electrical concepts such as voltage, current, power, generation and transmission, understanding materials and structures, stress and strain, and materials testing, understanding control systems, fluid and pneumatic systems, sensors, actuators, motors, and robotics, understand statistics as it relates to engineering, understanding kinematics and the relationship of potential and kinetic energy, velocity, acceleration, and ballistics

Major Assignments: Complex machine design and analysis, renewable energy system design, structural truss design and test, highway bridge design, recyclable material sorter design, ballistic test fixture design.

FAMILY AND CONSUMER SCIENCES

Career Focus

1 semester – Grades 9-12

Graduation Requirement: CTE or Elective

Pre-Requisite: None

The world of work is just around the corner, so where do you fit into this picture? It is time to explore your interests, skills and abilities, job preferences and careers. How do you know if a career is right for you? Discover how personalities help us find jobs that are satisfying. After figuring out the right career for you, you will create the best path to get you to your dream job. Nervous about applying or interviewing for a job? Don't be, in this class you will master these skills and much more. Other skills that this class focuses on will help you not only get a job but keep a job; improving communication, teamwork, and organization skills. After this course you will be ready to take on any job hiring situation. Throughout this class you will experience and build opportunities for hands-on learning, group projects, and oral presentations. The world awaits you, come and see where you belong.

Work Based Enterprises (Student Store)

1 semester or Year - Grades 9 – 12

Graduation Requirement: CTE or Elective

Pre-Requisite: None

Career Based Enterprises is a class designed to ultimately prepare students to enter and be successful in the workplace. Effective workers adapt to change and actively participate in meeting the demands of a changing workplace in a changing world. Workers have four broad areas of responsibility which includes doing the work, working with others, work within the big picture, and plan and direct personal and professional growth. Learning work knowledge, skills and abilities are a must for successful performance of the tasks and behaviors associated with a job. This class gives hands-on opportunity by running the Cardinal Student Store and obtaining a food handler's card.

Human Development

1 Year - Grades 9 – 12

Graduation Requirement: CTE or Elective

Pre-Requisite: None

Human Development is a course that focuses on basic human development from conception to death. The main emphasis will be on child development, but will cover the entire lifespan. Experience firsthand trials of pregnancy (Empathy belly), Parenthood (Babies), and learn about different stages of life all the way to dependent living as a senior citizen (Nursing home).

Other Course Goals:

- Research and demonstrate skills and knowledge in a hands-on environment
- Focus on cooperative learning and interpersonal skills
- Analyzing parenting, communication, nutrition, and family challenges
- Community service opportunity
- Develop important leadership skills

Unique opportunities: National STARS certification

Intro to Culinary Arts
Tech Prep

1 Year - Grades 9 – 12

Graduation Requirement: CTE or Elective

Pre-Requisite: None

Students will learn to make informed decisions about what they eat and proper methods of preparation. Skills learned will include: cooking skills, nutrition, safety, food science, global food issues and kitchen management. Students will demonstrate nutrition and wellness practices that enhance individual and family well-being through food labs, individual and group projects and oral presentations. Opportunities include: exploring career options in foods and nutrition, work readiness, hands-on learning, leadership experiences, "Student Store" opportunities, and the ability to integrate knowledge, skills, and practices required for careers in food production and services. Students will also have the opportunity to earn their Food Handlers Card and free college credit (2 credits).

Tech Prep: HM 116, Nutrition for Chefs and Restaurant Managers, SCC

Leadership

1 Year - Grades 9 – 12

Graduation Requirement: CTE, Elective or Fine Art (please note, 4-year colleges will not recognize this as a fine art)
Pre-Requisite: None

Success in all careers and life involve developing personal qualities such as leadership, self-management skills, utilizing resources, communication, applying technology, developing skills and much more. This course gives students a hands-on approach to developing the necessary skills needed to be successful at school, work and home. Skills will be taught using activities and events at Medical Lake High School. Students would benefit from being in the 11th and 12th grades.

BUSINESS

Introduction to Business & Marketing/FBLA

1 Year- Grades 9-12

Graduation Requirement: CTE or Elective
Pre-Requisite: None

Students will be able to define Entrepreneurship and explain its role in modern day industry. Goals will be for students to identify the common types of business ownership and explain the advantages and disadvantages of each, discuss the various effects of government on business, identify the fixed and variable costs for starting a business, explain the role of research and development in business and explain how that correlates to success in business. Students will identify the social, ethical and environmental responsibilities of a business, be able to work individually, and as a team, to achieve common goals and work in groups to identify problem areas in business and come up with solutions for them. Students will understand the concepts, systems, strategies and needs that are essential in acquiring and developing human resources for an entrepreneurial entity. They will successfully be able to conduct and evaluate a SWOT analysis.

Unique Learning Opportunities: Students may earn college credit for this course. They will have the opportunity to participate in simulations with real business problems, develop individual and team business plans, as well as work with online simulation games that put the students in charge of an actual business.

Computer Applications/Microsoft Office Technologies
Tech Prep

1 Semester or 1 Year – Grades 9-12

Graduation Requirement: CTE or Elective
Pre-Requisite: none

Course Description: The purpose of this course is to provide an in depth look at the Microsoft Office Suite. Students will learn to use the computer in this "hands on" class to enhance their ability to communicate in an effect and professional manner by learning the following Microsoft Office programs

First Semester:

Word is an extremely powerful and widely used word processor. You find that most businesses use Word as their primary document creation program.

PowerPoint is a program used to generate presentations. In very little time, you can throw together an impressive presentation which includes animations, video, text and graphics.

Second Semester:

Excel is a powerful spreadsheet application program. Many professionals use Excel for a variety of specialized purposes. Excel's interface is easy enough to figure out how to use its basic features; however, Excel has a lot of hidden power. Engineers and Scientists use Excel to track, plot and analyze scientific data. Accountants use Excel to keep track of company finances.

Access is a low end database engine designed for personal and small business use. For our purposes, it serves as a good example to illustrate database concepts.

Course Objectives:

By the end of this course, the successful student will understand and be able to complete the following:

1. Create and format documents
2. Edit documents and work with table
3. Create reports and newsletters
4. Use advanced formatting, lists, and charts
5. Create and format presentations
6. Work with lists and graphics
7. Enhance a presentation
8. Finalize a presentation
9. Work with masters, handouts, and text
10. Work with graphic objects and media
11. The ability to work with spreadsheets and manipulate data

Unique learning Experiences:

1. Certification as a Microsoft Office Specialist in Word, Power Point, Excell and Access.
2. Leadership training in class and as a student member in the FBLA(Future Business Leaders of America) organization.
3. Career Exploration
4. Tech Prep credit can be earned.

Digital Design I Foundations

1 Year - Grades 9-12

Graduation Requirement: Fine Art, CTE or Elective

Pre-Requisite: None

This course will focus on career exploration in the field of Graphic Communications. Course will include theories, methods and techniques used in the graphic communication fields. Instruction will include; prepress, and post press phases of production operations, basic digital imaging, other reproduction methods, communication and employability skills, and safety.

The Adobe Creative Suite of programs is used in this class. Students will have an opportunity to begin putting together a digital art portfolio. This is a Tech Prep class that offers free college credit to students that qualify .

All students will participate in the annual digital art show.

Digital Design II Advanced (Visual Communications)

Tech Prep

1 Year - Grades 10-12

Graduation Requirement: Fine Art, CTE or Elective

Pre-Requisite: Digital Design I Foundations

This course will focus on career exploration in the field of Graphic Communications. Course will include theories, methods and techniques used in the graphic communication fields. Instruction will include; prepress, and post press phases of production operations, basic digital imaging, other reproduction methods, communication and employability skills, and safety.

The Adobe Creative Suite of programs is used in this class. Students will have an opportunity to begin putting together a digital art portfolio. This is a Tech Prep class that offers free college credit to students that qualify.

All students will participate in the annual digital art show.

Multimedia Production & Game Design

Tech Prep

1 Year - Grades 9-12

Graduation Requirement: Fine Art (1st semester only), CTE or Elective

Pre-Requisite: None

Purpose/Goals: Foundations of Photography and Video (Semester 1): students will learn basic theories, methods and techniques used to plan, produce and distribute photos and video. Includes instruction in sound, lighting, carera options, composition, production preparation, and related computer applications.

Video Game Design and Intro into Computer Programming (Semester 2): Students will explore computer game design and programming through the Microsoft IT Academy and www.code.org curriculum.

Skills Developed/Opportunities: Foundations of Photography and Video (Semester 1): students will explore careers in the fields of photography and video production.

Video Game Design and Intro into Computer Programming (Semester 2): Students will be able to write computer code in order to create video games.

Annual/Yearbook

1 Year - Grades 9-12

Graduation Requirement: Fine Art, CTE or Elective

Purpose/Goals: The prime purpose of the Annual staff is the publication of the yearbook *"The Cardinal"* for the current school year.

Skills Developed: Layout design, computer technology, cooperation in small group work, copy writing, photo-journalistic techniques, functioning under deadline system are skill areas in Annual publication.

Major Assignments: Participation in all deadlines, selling of advertisements, and other moneymaking activities in support of the yearbook.

MATHEMATICS

College-bound students should follow the below progression:

- Algebra I
- Geometry
- Algebra II
- Pre-Calculus
- AP Statistics (offered online)
- AP Calculus

Note: Scientific calculators are strongly recommended for Algebra and Geometry classes. Graphing calculators are strongly recommended for Pre-Calculus, AP Statistics and AP Calculus.

Algebra I

1 Year

Graduation Requirement: Math or Elective
Pre-Requisite: Pre-Algebra, Applied Mathematics or teacher recommendation
Purpose/Goals: To prepare students for continued studies in mathematics and science and to prepare for state assessments.
Skills Developed: Students learn the basic properties and apply problem solving strategies to simplify, solve, and graph mathematical expressions and equations.
Major Assignments: Daily assignments, quizzes, tests and projects.

Geometry

1 Year

Graduation Requirement: Math or Elective
Pre-Requisite: Algebra 1
Purpose/Goals: Geometry will help the student better understand the nature of our mathematical system, develop powers of spatial visualization, and gain a basic understanding of how Geometry and Algebra complement each other as well as prepare for the state testing and college entrance exams.
Skills Developed: The student will use inductive and deductive reasoning in both mathematical and non-mathematical situations. Emphasis involves using definitions, postulates, and theorems to solve problems and write proofs.
Major Assignments: Daily assignments, quizzes, tests and projects.

Algebra II

1 Year

Graduation Requirement: Math or Elective
Pre-Requisite: Algebra 1 (Geometry is recommended)
Purpose/Goals: Algebra II will help the student gain more depth in mathematical concepts than previous mathematics courses. It is designed for the student who wishes to continue in the mathematics and science courses.
Skills Developed: The student will work with linear and quadratic equations, solve problems with two or three unknowns, graph quadratic equations, use logarithms and trigonometry, and understand the concept of relations and functions.
Major Assignments: Daily assignments, quizzes, tests and projects.

Bridge to College Math

1 Year
Grade 12

Graduation Requirement: Third Year Math (or Senior-Year Quantitative Math) or Elective
Pre-Requisite: For seniors who score a level 2 on the Mathematics SBAC assessment
Description: The Bridge to College mathematics course is based on the Southern Regional Education Board's *Math Ready* course. The curriculum emphasizes modeling with mathematics and the Common Core State Standards for math, and a variety of essential standards from Algebra I, statistics and geometry, plus Algebra II standards that are essential for college- and career-readiness. The course emphasizes student engagement based on conceptual teaching and learning. Students who earn a B or higher in these courses and a 2 on the Smarter Balanced Assessment can automatically enroll in college level math and English at participating Washington higher education institutions, including the state's 34 community and technical colleges.

Personal Finance (Financial Algebra)

1 Year

Graduation Requirement: Third Year Math or Elective
Pre-Requisite: none
Purpose/Goals: The purpose of this course is to develop the algebraic relationship and deductive strategies through financial and mathematical applications that can be used to solve a variety of real world and mathematical problems. As a mathematically rigorous finance based course, students will learn about various ways in which finance and mathematics not only coexist, but work cooperatively.
Unique Learning Experiences: Opportunity to gain Keytrain Career Ready Certification, exposure to numerous guest speakers regarding finance, conducting a stock market simulation, checking account simulation, and tax filing simulation.

Pre-Calculus

1 Year

Graduation Requirement: Math or Elective
Pre-Requisite: Algebra I, Geometry and Algebra II
Purpose/Goals: Pre-Calculus is a course designed to challenge the good mathematics student. Upon completing the course, the student should be well prepared to take college level mathematics.
Skills Developed: The student works with linear, quadratic, polynomial, logarithmic, and trigonometric functions. Emphasis is placed on recognizing and graphing the functions presented in text. Some calculus is also introduced to the student.
Major Assignments: Daily assignments, quizzes, tests and a poster project.

AP Calculus

1 Year

Graduation Requirement: Math or Elective
Pre-Requisite: Pre-Calculus
Purpose/Goals: AP Calculus is a rigorous mathematics course designed to challenge the excellent math student. Upon completion of the course, the student should be prepared to take the AP Calculus exam and continue a Calculus program at the university level.
Skills Developed: The student will review the concepts of Pre-Calculus, applying the limit process for the development of new formulas to use in science and mathematics. Emphasis will be placed on the limit process and the format treatment of differential and integral calculus.
Major Assignments: Daily assignments, tests, quizzes and the goblet project.

AP Statistics

(offered online only through Spokane Virtual Academy)

1 Year

Graduation Requirement: Math or elective
Pre-Requisite: Algebra II
Purpose/Goals: AP Statistics is a rigorous mathematics course designed to challenge the student in the theory of statistics and a wide range of real-world applications. The major topics include exploring data, sampling and experimentation, anticipating patterns and statistical inference. Upon completion of the course, the student should be prepared to take the AP Statistics exam which could lead to college credit.
Skills Developed: The student will use TI-84+ graphing calculators, ActivStats software and other technology on a daily basis to collect, simulate, organize and evaluate data. It is very beneficial for students to have their own calculator.
Major Assignments: Daily assignments, tests, quizzes and several data collection and analysis projects. This is a fast-paced course which requires a major time commitment to keep up with rate at which material is covered.

PHYSICAL EDUCATION

Life Fitness (formerly P.E. and Weights)

1 semester or year-long – Grades 9-12

Graduation Requirement: PE or Elective
Pre-Requisite: None
Purpose/Goals: Encourage maximum participation of all students**,** the development of knowledge of fitness concepts through a video series as preparation to improve their fitness levels throughout their lives**,** and implement the use of heart rate monitors as tools for maintaining cardiovascular fitness/improvement levels.
Major Assignments: Daily participation**,** written tests**,** skills tests**,** fitness testing and the weekly mile

Costs: $5.00 for a heart rate monitor strap. Must have appropriate dress – t-shirts or sweatshirts, shorts (no cut-offs), white socks, athletic shoes without black soles.
Special Requirements: Students will be required to dress down the second day of school; therefore, clothing must be acquired before school begins. Participation of at least nine out of ten weeks per quarter is required. No more than five non-suits per quarter.

Drill Team

1 Year – Grades 9-12

Graduation Requirement: PE, CTE or Elective
Pre-Requisite: Instructor's and principal's permission
Purpose/Goals: Cadets sharpen and polish basic drill skills to a fine edge in preparation for competition with other JROTC units for awards and prizes. Members practice a variety of complex drill movements while training with Daisy replica drill rifles to learn both regulation and exhibition routines for competition. The team also marches in parades, performs at school assemblies and supports community programs.
Skills Developed: Rifle spins, rifle tosses, precision drill movements, teamwork, physical stamina, organization, planning, and self-management.
Major Assignments: Performance tests on manual of arms, regulation routine and exhibition routine, uniform inspections, memorization of general knowledge information, identification of rifle parts and components, practice at home, and attendance at practices and class.

Health

1 Semester - Grade 9

Graduation Requirement: Health credit
Pre-Requisite: None
Purpose/Goals: This program will provide students with the knowledge, skills and understanding necessary to act in ways that enhance their immediate and long-term health and that of the families, school and the community to which they belong.
Skills Developed: Develop attitudes related to preventing and improving wellness. Handling stress and incorporating healthy stress-reduction strategies into daily life. Locating health resources as they are needed. Planning a healthy future by considering both long-term and short-term consequences and by consciously choosing positive health promoting behaviors. Develop the skills necessary to protect against violence. Develop the ability to prevent bullying and harassment. Apply effective speaking and listening skills in every day life. Students will be trained to use an Automated External Defibrillator (AED).
Major Assignments: Participate in class discussions. Daily journal, research paper, written homework, mini projects, and class involvement. Completion of a three ring notebook at the end of the semester. Daily attendance is crucial.

SCIENCE

Recommended Curricular Patterns:

- Environmental Science Course (Grades 9-10) – Required
  Select from: Environmental Science or Aerospace 1
- Biology Course (Grades 9-10) – Required
  Select from: Biology or Biotechnology
- Chemistry or Plant Science
- Physics (11 – 12 grades)
- Advanced Placement (AP) Biology (11 –12 grades)

Environmental Science

1 Year – Grade 9

Graduation Requirements: Science credit or elective
Pre-requisite: None
Purpose/Goals of Class: This is a class where students learn about how their lifestyle impacts the earth and world. You will understand the skills and processes of science and technology and will develop the ability to do scientific inquiry. Finally, using these skills and concepts you will apply them to understand and develop solutions to human problems.

- Intro to Science – lab procedures, graphing, scientific method
- The biosphere-environmental interrelationships, ethics and decisions, ecology
- Laws of Motion-acceleration and forces, marble maze
- Energy-fossil fuel, electricity, solar, hydroelectric, wind geothermal, nuclear, hydrogen

- Matter-classification, properties, periodic table, chemical bonds and reactions
- Earth-earth materials, The great Floods, Geographic features of WA
- Atmosphere-weather and climate, greenhouse Earth, nutrient cycles, ozone
- Hydrosphere-water cycle, habitats, water quality and pollution
- Native Plants
- Conservation and Resource Use – renewable and nonrenewable, Natural Resource industries in Washington

Unique Learning Opportunities:

- Leadership through project based learning
- Exploration through participation in the National Park Service "River Mile"
- Hands on learning – energy projects
- Web development and design – native plant project
- Citizenship/community service through NPS volunteer program
- Complete the online registration process while enrolled in this class as credit will not be awarded retroactively.

Space Exploration – Aerospace 1A-1B

1 Year – Grade 9

Graduation Requirement: Earth/Space Science, CTE or Elective
Pre-Requisite: Instructor's and principal's permission
Purpose/Goals: Space Exploration is a science course that examines our Earth, the Moon, planets, and our universe as well as space technology, and continuing challenges of space and manned spaceflight. It is based on the Exploration of Space curriculum provided by the USAF while aligning with Next Generation Science Standards for Earth/Space Science.
Skills Developed: Space Exploration provides insights on technological and practical contributions society has received from space programs. Cadets analyze future developments and trends in space uses and exploration of gauge their impact on our daily lives. The leadership portion of the curriculum introduces students to AFJROTC program while instilling elements of good citizenship.
Major Assignments: Tests/quizzes, homework, projects, presentations, and drill. Uniforms are worn once a week and inspections occur once a month. Cadets assume increased responsibility for planning, executing and critiquing corps activities and field trips. Field trips, guest speakers and orientation flights (when offered by the AF) augment the academic instruction.

Biology/Animal Science

1 Year – Grades 9-12

Graduation Requirement: Lab Science, CTE or Elective
Pre-Requisite: Physical Science/Environmental Science (unless taking as a 9th grader)
Purpose/Goals: This is a general course that focuses on the scientific principles that underlie the breeding and husbandry of agricultural animals. Students will also learn about the production, processing, and distribution of agricultural animal products. Instruction in the animal sciences includes animal husbandry and production, as well as agricultural and food products processing.

As with all agriculture courses, instruction and assessment in the Supervised Agriculture Experience (SAE) is a requirement. The Supervised Agriculture Experience includes placing a student in a position where he or she will learn the practices of entrepreneurship and the fundamentals of research and experimentation in the agricultural field. Participants in the SAE will conduct exploratory projects with the purpose of learning about and improving practices in their surroundings.
SAE.01. This course will include instruction in and Student involvement in Supervised Agriculture Experience Projects (SAE).

Units 1:Career Exploration
Unit 2: History and Use of Animals
Unit 3: Animal Handling and Safety
Unit 4: Cells and Tissues
Unit 5: Nutrition
Unit 6: Animal Reproduction
Unit 7: Animal Genetics
Unit 8: Animal Health

Biology

1 Year – Grade 10, Grade 9 with recommendation

Graduation Requirement: Lab Science
Pre-Requisite: Physical Science, Algebra 1-2
Purpose/Goals: The course is designed to provide an in-depth study of biology that includes the Washington State grade level expectations (GLE's) for life science. Students will learn what the science of biology is all about, including the concepts related to molecular, cellular and organismal biology. The course provides an in-depth study of the characteristics of living things, the classification of organisms, organic chemistry, the cell and cell processes, DNA and genetics, human anatomy and physiology and ecology.
Skills Developed: Use of the microscope, observation skills, interpreting data, inquiry and problem solving will be part of the course. Students will be expected to write good lab reports following the scientific inquiry process.
Major Assignments: Insect and flower collections will be assigned in the fall and spring. An animal dissection lab may be assigned in the spring.

Plant Science
Tech Prep

1 Year - Grades 9-12

Graduation Requirement: Lab Science, CTE, Fine Art, or Elective
Pre-Requisite: Physical Science/Environmental Science
Purpose/Goals: Horticulture is a course designed to introduce students to the fundamentals and applications of plant science. Horticulture will offer students both classroom and greenhouse experiences.
Skills Developed: Students will gain an understanding of plant identification, growth, and reproduction. Plant production and marketing will be emphasized. Students will also become familiar with greenhouse structures and operations and recognize plant posts and pesticides.
Major Assignments: Horticulture will involve both classroom and laboratory greenhouse instructions. Hands-on plant propagation techniques will be applied. Students are expected to become involved in several laboratory exercises as well as individual and group leadership/FFA activities.

- Tech Prep: AGHRT 103, Introduction to Greenhouse and Nursery Production, AGHRT 105, Horticulture Retail Sales, SCC

Chemistry

1 Year – Grade 11 or 12

Graduation Requirement: Lab Science or Elective
Pre-Requisite: Algebra 1-2, Physical Science and Biology
Purpose/Goals: Chemistry is the study of the concept of the atom and its combination with other atoms to form compounds. Topics include elements, compounds, reactions, gas laws, acids and bases, organic chemistry, biochemistry, energy and related vital issues of today.
Skills Developed: Laboratory skills such as working with the balance, measuring, and testing materials, carrying out chemical reactions safely. Also, mathematical skills in stoichiometry will be developed.

Physics

1 Year – Grade 11 or 12

Graduation Requirement: Lab Science or Elective
Pre-Requisite: Advanced Algebra, Physical Science and Biology
Purpose/Goals: Physics studies the natures of matter and energy and how they are related. It is the branch of knowledge that studies the physical world. The goal of Physics is to explain the diversity of the universe in relatively simple mathematical concepts. We will cover the following topics: Mechanics, phases of matter, heat, waves, light, electricity, atomic structures, and energy use.
Skills Developed: Students gain an understanding of applying mathematics to physical laws in the world around them. They also can test these laws in laboratory experiments during the year.
Major Assignments: Completing problems, assignments, chapter tests, and writing lab reports.

Advanced Placement (AP) Biology
Offered alternating years (to be offered in 2017-18 school year)

1 Year – Grades 11 or 12

Graduation Requirements: Lab Science or Elective
Pre-Requisite: Biology and Chemistry
Purpose/Goals: Advanced Placement Biology is designed to be equivalent to a two semester college introductory biology course. The class is conducted at the college level and students are expected to work accordingly. The class moves at a very fast pace. AP Biology differs significantly from a traditional high school biology course due to text content, depth of material

covered, lab work, and time and effort required to achieve mastery in this subject area. This course is designed to be taken by students after successful completion of high school biology and high school chemistry.

4 Big Ideas:

Big Idea 1: The process of evolution drives the diversity and unity of life

Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and the maintain dynamic homeostasis

Big Idea 3: Living systems store, retrieve, transmit, and respond to information essential to life processes

Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties

Science Practices:

Science Practice 1: The student can use representations and models to communicate scientific phenomena and solve scientific problems

Science Practice 2: The student can use mathematics appropriately

Science Practice 3: The student can engage in scientific questioning to extend thinking or to guide investigations within the context of the AP course.

Science Practice 4: The student can plan and implement data collection strategies appropriate to a particular scientific question

Science Practice 5:The student can perform data analysis and evaluation of evidence

Science Practice 6:The student can work with scientific explanations and theories

Science Practice 7: The student is able to connect and relate knowledge across various scales, concepts, and representations in and across domains.

Skills Developed: This course will help prepare students to take the AP Biology Exam in May. If a high enough score is achieved on the exam, the student may receive the equivalent of college credit for the course. The college attended by the student determines the acceptance score and whether or not it will accept the AP credits. Students are expected to take the exam.

As required by the AP Biology Course Audit, 25% of instructional time needs to be devoted to lab investigations; this translates to a minimum of 8 investigations that will be required throughout the course. Due to the large amount of time required for laboratory set-up, it is essential that students are always present on lab days. Students should be prepared to stay after school occasionally to finish long labs. Students will be given advance notice for those days. There will be other labs, in addition to the 8 required labs, that will be required throughout the course, also.

SOCIAL STUDIES

World History

1 Year – Grade 10

Graduation Requirement: World History or Social Studies Elective

Pre-Requisite: None

Purpose/Goals: Gain an appreciation and understanding of political, economic and cultural history of world societies. The course is designed to help the student become an informed, responsible citizen who is capable of successful social interaction.

Skills Developed: Map reading and study; discussion and debate techniques; research skills; reading and writing improvement and taking objective and essay tests.

Major Assignments: Map work, projects, reports, and dramatizations and simulations.

AP World History

1 Year – Grade 10

Graduation Requirement: World History or Social Studies Elective

Pre-Requisite: Recommended for highly motivated, academic student.

Purpose/Goals: To provide a college level course in World History to challenge students and to better prepare them for college. The student may gain advanced college placement through an AP exam.

Skills Developed: The tools and techniques of scholarship in the field of history.

Major Assignments: Research and writing, taking notes, building vocabulary, daily study.

Costs: The student may elect to take the AP exam in May. Estimated cost is approximately $80.00.

U.S. History

1 Year – Grade 11

Graduation Requirement: U.S. History

Pre-Requisite: World History

Purpose/Goals: A survey of the people and events involved in the development, growth, and change of our nation. The cause and effect relationships involved in American political, economic, social, territorial, and military histories are studied in this survey.

Skills Developed: Communication (oral/written/visual), research, critical thinking and decision-making, working cooperatively and independently.
Major Assignments: Objective and essay tests, map work, projects, essays, reports, class dramatizations, and simulations.

AP U.S. History

1 Year – Grade 11

Graduation Requirement: U.S. History
Pre-Requisite: Recommended for highly motivated, academic students.
Purpose/Goals: To provide a college level course in U.S. History to challenge students and to better prepare them for college. The student may gain advanced college placement through and AP exam.
Major Assignments: Research and writing, book reports, taking notes, building vocabulary, daily study.
Costs: The student may elect to take the AP exam in May. Estimated cost is approximately $80.00.

CWP/Political Science

1 Semester – Grade 12

Graduation Requirement: CWP/Political Science
Pre-Requisite: Senior standing
Purpose/Goals: To study, understand and interpret interactions between government systems of the world.
Skills Developed: Discussion techniques, map identification, techniques for oral reading.
Major Assignments: Map identification, selected readings and study of "isms", oral reports on current issues, testing on each unit of study, and weekly news study and discussions of current events as they apply to the units.

CWP/Economics/Civics

1 Semester – Grade 12

Graduation Requirement: CWP/Economics
Pre-Requisite: Senior standing
Purpose/Goals: To study, understand and interpret interactions between government systems through American civics, economics, world governments, the impact of current affairs and setting future goals for the future.
Skills Developed: Discussion techniques, map identification, introducing of economics and civic issues, community service, interaction with the business world and goal setting.
Major Assignments: Selected reading, map identification, senior project (on our website), selected readings from text and various periodicals, mock trail, and research paper, and weekly news study and discussions of current events as they apply to the units.

AP European History

1 Year – Grade 12

Graduation Requirement: Will substitute CWP/Political Science/Economics requirement
Pre-Requisite: Recommended for highly motivated, academic students
Purpose/Goals: To provide a college level course in European History to challenge students to better prepare them for college. The student may gain advanced college placement through an AP exam.
Skills Developed: The tools and techniques of scholarship in the field of history.
Major Assignments: Chapter tests, research and writing, daily study.
Costs: The student may elect to take the AP exam in May. Estimated cost is approximately $80.00.

Psychology/Sociology

1 Semester each – Grades 10-12

Graduation Requirement: Social Studies Elective/Elective
Pre-Requisite: None
Purpose/Goals: Psychology and Sociology are each a semester class which may be taken any time throughout high school; however, due to the subject matter upper division students are better able to grasp the material.
Psychology focuses on the development of the individual throughout life and deals with his or her relationships. In addition diseases and abnormalities are part of the subject matter along with treatment and the history and development of the theories of personality.
Sociology pertains to the development of groups and their effects on society. Students learn the history of the development of sociology as well as the application for the present time.
Skills Developed: Discussion techniques, research strategies, etc.
Major Assignments: Research papers, case studies, reading assignments, vocabulary – terms and concepts, group assignments and tests on each chapter studied.

WORLD LANGUAGES

Spanish I
1 Year – Grades 9-12

Graduation Requirement: Elective
Pre-Requisite: A minimum of a C grade average in English classes is recommended
Purpose/Goals: To give students a fundamental understanding of Spanish and to give them an introduction to the Spanish language, culture, history and civilization.
Skills Developed: The student will develop the ability to read, write, understand and speak the Spanish language at an introductory level.
Major Assignments: Listening activities, songs, videos, quizzes, chapter tests, and oral presentation, participation, homework as well as a semester culture project.
Special Requirements: Students enroll in a full year course for credit. Seniors have last priority in enrolling in beginning Spanish to increase the likelihood of underclassmen developing sound two year programs.

Spanish II
1 Year – Grades 9-12

Graduation Requirement: Elective
Pre-Requisite: Passing grade in Spanish I
Purpose/Goals: Continuation of the basic structures of the Spanish language. Students will do more written and oral work incorporating numerous verb tenses.
Major Assignments: Listening activities, quizzes, chapter tests, multiple oral presentations, original works, participation and an Inca, Maya, Aztec research and project.
Skills Developed: Increased ability to read, comprehend, speak and write the Spanish language.
Special Requirements: Daily attendance. New material is covered daily. Daily oral presentation is required.

Spanish III
1 Year – Grades 10-12

Graduation Requirement: Elective
Pre-Requisite: Passing grade in Spanish II (recommended B grade or higher).
Purpose/Goals: Primary goal is proficiency in oral communication. Secondary goals include continued grammar learning, intensive cultural study.
Skills Developed: Increased confidence and proficiency in speaking

SPECIAL EDUCATION (RESOURCE ROOM)

Special educational programs are provided to student with disabilities that require specially designed instruction in order to be successful in school. Students enrolled in these programs will receive individualized instruction aimed at meeting their particular educational and behavioral needs. Instruction includes the areas of mathematics, reading, writing, behavioral and occupational preparation. Students are also enrolled in a variety of regular class offerings dependent upon their interests and abilities. Courses taken through Special Education satisfy necessary graduation requirements for the school district and the state. Alternatives to the full-time regular program are provided for those students whose academic achievements would make it difficult to achieve success in the regular classroom. Students must be qualified for the Special Education program through Educational Support Services.

OTHER CLASS OFFERINGS

Late Arrival/Early Release: Seniors may apply for either late arrival (open 1st period) or early release (open 6th period) if the following stipulations are met: must have credit and parental permission. Students are not allowed on campus during this period and will receive no credit.

Class and Office Assistant: Juniors and seniors may apply to be a class assistant. Permission must be obtained from the instructor and Assistant Principal. There will be one assistant per teacher and a student may have one assistantship per year.

Also, assistants will not be scheduled during the teacher's preparation period. Juniors and seniors may apply to be an office/counseling assistant by obtaining permission from the Assistant Principal. Credit is earned for work as an assistant. Grading will be a pass/fail.

Study Skills: The foundation of this class is the instruction of time management, organization, and basic study skills. In addition to building and enhancing study skills through the completion of various activities, this class allows students time to complete required coursework from other classes with the support of a Para Professional.

Students enrolled in Study Skills will receive a general education elective credit upon successful completion of all required course material. In some cases, students will be able to simultaneously recover lost credits by completing online credit recovery courses. Students will receive a letter grade for this class. Grading policy is based on various study skill assignments along with weekly effort points.

LAP:
This is a credit recovery class. Students work on individual classes through the online program Gradpoint. Tthere is an on-site teacher available to help students. Students are able to move at their own pace, providing them an opportunity to finish a number of lost credits in a shorter amount of time than in a traditional class.

Students receive credit for completed academic classes, as well as an elective credit for being in the credit recovery class. Grades posted on Skyward throughout the semester are the credit recovery class grades, which are based upon students' participation on their Gradpoint class. Completed academic credit is posted at the end of a semester.

NEWTECH SKILL CENTER

Juniors and seniors may apply for vocational training at the Spokane Area Skill Center, a cooperative venture of eight school districts to provide advanced vocational training for secondary students. Training is available in 16 different occupational programs. Students will attend three hours of classes for a half a day, spending the remainder of the time in their home high school. Students will attend in the morning and still be able to participate in after-school activities. Our students must be at Medical Lake High School by 7:00 a.m. to ride the Skills Center bus.

The Skill Center functions are an extension of the student's home high school. Students complete required subjects at their home high school and travel to the Skill Center for their advanced vocational training. Upon completion of the training at the Skills Center, students may choose to work, using their entry-level skills, or continue their education.

Information in addition to any of the aforementioned special programs to students may be obtained from the principal, assistant principal and/or counselor.

RUNNING START

Running Start is intended to provide students a program option consisting of attendance at certain institutions of higher education and the simultaneous earning of high school and college/university credit. Running Start was initiated by the Legislature as a component of the 1990 parent and student Learning by Choice Law.
Students in grades 11 and 12 are allowed to take college courses at Washington's community and technical colleges and at Eastern Washington University (for our general vicinity).

Running Start Students and their families do not pay tuition, but they do pay college fees and buy their own books, as well as provide their own transportation. Students receive both high school and college credit for these classes and therefore accelerate their progress through the education system. The exercise of that right is subject only to minimal eligibility and procedural requirements, which are spelled out, in state administrative rules. See RCW 28A.600.300 for more information. Please speak with a counselor about application procedures and requirements.