



Medical Lake High School 2019-2020 Course Catalog

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

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Who to Contact

Administration:

Principal	Chris Spring 565-3293
Assistant Principal	Justin Blayne 565-3291
Athletic Director	Justin Blayne 565-3291

Counseling Staff:

Counselor, Class of 2020 & 2022.....	Lori Wilbanks 565-3274
Counselor, Class of 2021 & 2023.....	Lisa Prewitt 565-3275
Registrar/Counseling Secretary.....	Kim Zappone 565-3270

Find out about:

Main Office.....	565-3200
Attendance.....	565-3295
Fees and Fines (Business Office).....	565-3290
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Graduation Requirements & Recommendations for College Admission

Course/Requirement	Medical Lake High School Graduation Requirements	Recommended for 4-Year College Admission	Recommended for Competitive 4-Year College Admission
English	4 credits*	4 credits	4 credits
Mathematics	3 credits	3 credits**	4 credits**
Senior Year Math-Based Quantitative Course		1 credit	1 credit
Science (two credits must be a lab)	3 credits	3 credits	3-4 credits
Social Studies (World History, US History, CWP, Economics, Political Science/Civics, Psychology, Sociology)	3 credits	3 credits	3-4 credits
World Language	2 credits*** (or Personalized Pathway)	2 credits	3-4 credits
Fine Art	2 credits*** (Or 1.0 Art, 1.0 Personalized Pathway)	2 credits	2-3 credits
Physical Ed./Health	2 credits (1.5 P.E./1.5 Health)	* 1 credit = 2 semesters of a course MLHS runs on 2 semesters per school year	
Career & Technical Ed. (CTE)	1 credit	** Must be Algebra II or higher	
Electives	2.75 credits	*** 2 credits of World Language can be substituted for courses within a student's Personalized Pathway (or courses that may lead to a potential career interest).	
Career & College Readiness(CCR)/ Student-Led Conference	1.25 credit	1 Fine Art credit can be substituted for courses within a student's Personalized Pathway.	
Total	24	24	24

Other Requirements (more details below):	
Washington State History (or alternative)	Generally taken in 7th/8th grade, or can be substituted with another state history taken in grades 7-12.
Smarter Balanced English Language Arts (ELA) Assessment	Taken in the 10th grade. *Graduation alternatives are available.
Smarter Balanced Mathematics Assessment	Taken in the 10th grade. *Graduation alternatives are available.
Washington Comprehensive Assessment of Science	Taken in the 11th grade. (Class of 2021 & beyond)
High School & Beyond Plan	Created and adjusted through CCR/SLCs

*Graduation alternatives are available at: <http://www.k12.wa.us/assessment/GraduationAlternatives/Options.aspx>

Credits & Grading Policies

The school 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 and shall include, (1) 24 credits, (2) passing of state assessments (CAA or CIA) or an assessment alternative and (3) a High School and Beyond Plan.

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 five 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.

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.

Washington State History (or alternative)

This requirement is generally taken in the 7th or 8th grade, but can be substituted with proof of successful completion of another state history taken in grades 7-12. Students meeting this requirement in middle school, do not receive high school credit.

Courses are available at the high school level if needed. Seniors that transfer to Medical Lake without this requirement met, can have it waived with Principal permission.

Smarter Balanced English Language Arts (ELA) Assessment

Smarter Balanced Mathematics Assessment

Students are expected to achieve exit exam scores on both the Smarter Balanced (SBAC) ELA and the SBAC Math assessments. The exit exam score or cut score for ELA is 2548 while the cut score for math is 2595. These are separate from what are known as the "college and career-ready" scores, or achieving a Level 3 or 4 on the assessments.

If your student is unable to achieve the cut scores, or minimum graduation requirement scores, there are other options available.

Certificate of Academic Achievement (CAA) Options:

1. GPA Comparison: A GPA comparison allows student's grades for courses in a specific content area to be compared with the grades of students who took the same courses and passed the same state exam or accountability assessment. This option is available to students in their 12th grade year who possess a cumulative grade point average ≥ 3.2 and have met the Eligibility Criteria.
2. College Admission/AP/IB Tests: Students may use scores on college admissions (ACT, ACT with Writing, SAT, SAT with Essay), and specified Advanced Placement (AP) or International Baccalaureate (IB) tests, to show they possess the knowledge and skills expected of high school graduates. Students must meet Eligibility Criteria before submitting scores from any of these examinations.
3. Dual Credit Courses: A student who completes a dual credit course in English language arts or mathematics in which the student earns college credit may use passage of the course as an objective alternative assessment.
4. LAA/LDC: For school year 2018–19, there will be two options for approved Locally Administered Assessments (LAA) tied to Locally Determined Courses (LDC): Passage of an English language arts (ELA) or mathematics Bridge to College course or Collections of Evidence - Local (COE Local) Assessment.

Certificate of Individual Achievement (CIA) Options:

(for students receiving special education services, if specified in their IEPs)

Students receiving special education services may have other assessments and assessment graduation alternatives in a required content area that can be applied toward earning a Certificate of Individual Achievement (CIA). However, a student's IEP team will make the determination as to which assessment/alternative is appropriate for the student-- based on the student's learner characteristics, and taking into consideration a student's post-secondary goals and previous testing history. Meeting the eligibility criteria for applying assessment graduation alternatives is still required. For further direction, please see IEP Team Decision Making Guidelines on Student Participation in Statewide Assessments

and IEP Team Guidance for Selecting the Appropriate Assessment to Earn a Certificate of Individual Achievement (CIA).

1. CIA Cut Score (formerly Basic/L2) - on Regular (On-Grade) Assessment: A student's IEP team may determine a student's passing score as the CIA Cut Score, established within the Level 2, or Basic, score range on the state Mathematics or ELA assessment. The CIA Cut Score cannot be used for meeting standard in district federal accountability reporting, but can be used to fulfill state assessment graduation requirements to earn a CIA. Applicable students may use the CIA cut score option when participating in federal accountability assessment administrations.
2. Off-Grade Level Assessment on Regular or Alternate Assessment: Students receiving special education services may take an assessment specific to a particular content area (Mathematics or ELA) at a grade level different from their current enrollment grade. The student must meet the established cut score for proficiency (level 3) for the grade level accessed. Students are still expected to participate in on-grade level assessment(s) required for federal accountability.
3. The use of a Locally Determined Assessment (LDA) is a CIA option for students receiving special education services and can be used to meet the assessment requirement in Mathematics or English Language Arts (comprised of 1 reading LDA + 1 writing LDA), as determined by the student's IEP team. Meeting standard is scoring at or above the established minimum grade equivalency (G.E.) for the prescribed test or the established passing score. The student's IEP team must determine the most appropriate exam for the student.

Out of State Transfer Waiver:

1. The Out of State (OOS) waiver is for students who transfer from another state in the 11th or 12th grade and meet [Eligibility Criteria](#) for assessment graduation alternatives. The student may apply to receive a waiver for the assessment graduation requirement if the student has previously passed another state's high school exit or accountability examination as approved by OSPI. Only tests approved by OSPI will be applicable for the OOS waiver. The waiver does not grant the student a Certificate of Academic Achievement (CAA) or Certificate of Individual Achievement (CIA).

High School & Beyond Plan

The High School & Beyond Plan is created and adjusted via the Career and College Readiness (CCR) Program/Student-Led Conferences (SLCs) each year of high school.

Why? The intent of CCR is to:

1. Connect ALL students to a trusted adult/advisor in the school.
2. Guide students through a series of lessons, activities, and presentations that will assist them in determining a path for their future.
3. Prepare and present a High School & Beyond Plan during a Student-Led Conference in the fall and spring of each year.
 - a. Washington State requires students to develop a High School and Beyond Plan that addresses how they will meet high school graduation requirements and their post-secondary intentions. A student's plan, which is revised as he/she moves through high school, includes the necessary classes for a two or four-year postsecondary pathway, a technical college, an apprenticeship program, a certificate program, the workforce or military training.

Where and When? CCR will take place every other Friday during the regular school day. Students will meet in their advisor's classroom (or designated location) between 3rd period and lunch (11:05 a.m. to 11:45 p.m.).

What does this look like? Students will be exposed to classroom lessons, group presentations and activities via a new software program called “Xello” (formerly Career Cruising). Students will have their own account, specific to their grade level, allowing them to take career interest inventories, build a resume, start an activity log, and map out a course plan for high school. They can also search various educational pathways, schools, financial aid options and much more.

Earning Credit? Students will have the opportunity to earn a .25 elective credit each year (.5 credit in their senior year) of CCR through sufficient attendance, completion of various assignments and activities, and by facilitating their own Student-Led Conference in the spring. A student who successfully completes each year of CCR has the potential to earn 1.25 elective credit which is the equivalent of just over two full semesters. CCR course grades will be Pass/Fail and transcribed at the end of each school year. Seniors have the opportunity to earn .5 elective credit, as they have more components to complete. CCR is a graduation requirement for all seniors.

Running Start Students: Running Start Students not in attendance during the designated CCR time will be assigned an advisor and will work with that advisor to complete their CCR requirements independently. This year, full-time Running Start juniors will work with Mrs. Wilbanks (Counselor) and full-time Running Start seniors will work with Mrs. Prewitt (Counselor).

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.

Athletics & Clubs/Activities

Athletics				
Sport	Season	Start Date	Coach	Contact (email)
Football	Fall	8-21-19	Jeremy Bahr	jbahr@mlsd.org
Volleyball	Fall	8-26-19	Todd Harr	tharr@mlsd.org
Women's Soccer	Fall	8-26-19	Zane Higgins	zhiggins@mlsd.org
Cross Country	Fall	8-26-19	Gene Blankenship	gene_runxc@msn.com
Cheerleading	Fall, Winter	8-26-19	Darcy Stockton	dstockton@mlsd.org
Women's Swimming	Fall	8-26-19	See AD for more info.	jblayne@mlsd.org
Men's Basketball	Winter	11-18-19	Noel Hachtel	nhachtel@mlsd.org
Women's Basketball	Winter	11-18-19	Kyle Lundberg	klundberg@mlsd.org
Wrestling (men and women)	Winter	11-18-19	Matt Leenhouts	mleenhouts@mlsd.org
Men's Swimming	Winter	11-18-19	See AD for more info.	jblayne@mlsd.org
Cheerleading	Fall, Winter	11-18-19	Darcy Stockton	dstockton@mlsd.org
Baseball	Spring	2-25-19/3-2-2020	Austin Sharp	asharp@mlsd.org
Men's Golf	Spring	2-25-19/3-2-2020	TBD	jblayne@mlsd.org
Women's Golf	Spring	2-25-19/3-2-2020	Jerry Ornelas	jornelas@mlsd.org
Men's Soccer	Spring	2-25-19/3-2-2020	Zane Higgins	zhiggins@mlsd.org
Softball	Spring	2-25-19/3-2-2020	Tim Blakely	tblakely@mlsd.org
Men's Track	Spring	2-25-19/3-2-2020	Gene Blankenship	gene_runxc@msn.com
Women's Track	Spring	2-25-19/3-2-2020	Gene Blankenship	gene_runxc@msn.com
Men's Tennis	Spring	2-25-19/3-2-2020	Brian Tellez	btellez@mlsd.org
Women's Tennis	Spring	2-25-19/3-2-2020	Dawn Eliassen	deliassen@mlsd.org

See the Cardinal Athletics Website for eligibility requirements:

https://mlhs.mlsd.org/apps/pages/overview_athletics

Clubs & Activities			
Club	Advisor	Contact (email)	Special Requirements
Annual/Yearbook	Davin Perry	dperry@mlsd.org	Grades 10-12
ASB	Davin Perry	dperry@mlsd.org	
Book Talkers	Diana Jones	djones@mlsd.org	
Cardinal Players (Adv. Drama)	Ross Niblock	rniblock@mlsd.org	
Cheerleading	Darcy Stockton	dstockton@mlsd.org	Grades 10-12
FBLA	Davin Perry	dperry@mlsd.org	
FCCLA	Maureen Fanion	mfanion@mlsd.org	
FFA	Jennie Wagner	jwagner@mlsd.org	
Freshman Class	Brett Ward	bward@mlsd.org	
JROTC	Ret. Col. Lyle Powell & Chief Albert McGowan	lpowell@mlsd.org, amcgowan@mlsd.org	
Junior Class	Skylar Jones	sjones@mlsd.org	
Key Club	Austin Sharp & Officer Pendell	asharp@mlsd.org, tpendell@mlsd.org	
Knowledge Bowl	Ginny Luhn & Tara Feider	vluhn@mlsd.org, tfeider@mlsd.org	
Leadership	Davin Perry	dperry@mlsd.org	
Music, Instrumental	Craig Johnson	cjohnson@mlsd.org	
Music, Vocal	Heidi Peterson	hpeterson@mlsd.org	
National Honor Society	Lisa Prewitt	lprewitt@mlsd.org	Applications open in October to grades 10-12, GPA of 3.5+
Robotics	TBD		
Senior Class	Lisa Prewitt	lprewitt@mlsd.org	
Sophomore Class	Sue Anderson	sanderson@mlsd.org	
Sports Medicine	Luke Corigliano	lcorigliano@mlsd.org	
WDFY (Washington Drug-Free Youth)	Lori Wilbanks	lwilbanks@mlsd.org	Contract and a drug test required.

Pathways and the Personalized Pathway Requirement (PPR)

A sequence of courses, chosen by you, that prepare you to meet your graduation requirements and specific post-high school career or educational goals.

MLHS Personalized Pathways	Aerospace/ Military Pathway	Applied Arts Pathway	Business & Technology Pathway	Engineering & Manufacturing Pathway	Human Services	Sciences Pathway (Agricultural Sciences, Sports Medicine, and Health Sciences)
Career Cluster(s) (Found on Xello)	<input type="checkbox"/> Government & Public Administration <input type="checkbox"/> STEM <input type="checkbox"/> Law, Public Safety, Corrections & Security <input type="checkbox"/> Transportation Distribution & Logistics	<input type="checkbox"/> Arts, A/V Technology & Communications	<input type="checkbox"/> Finance <input type="checkbox"/> Marketing <input type="checkbox"/> Arts, A/V Technology & Communications <input type="checkbox"/> Information Technology <input type="checkbox"/> STEM <input type="checkbox"/> Business Management & Administration	<input type="checkbox"/> Architecture & Construction <input type="checkbox"/> Manufacturing <input type="checkbox"/> Information Technology <input type="checkbox"/> STEM <input type="checkbox"/> Transportation Distribution & Logistics	<input type="checkbox"/> Education & Training <input type="checkbox"/> Human Services <input type="checkbox"/> Hospitality & Tourism <input type="checkbox"/> STEM <input type="checkbox"/> Health Science <input type="checkbox"/> Law, Public Safety, Corrections & Security	<input type="checkbox"/> Agricultural, Food & Natural Resources <input type="checkbox"/> STEM <input type="checkbox"/> Health Science
Courses to consider within each pathway (these can be taken at any grade level in your high school career):	<input type="checkbox"/> Aerospace 1 (JROTC) Science of Flight <input type="checkbox"/> Aerospace 2 (JROTC) Aviation History <input type="checkbox"/> Aerospace 3 (JROTC) Exploring Space <input type="checkbox"/> Aerospace 3 Honors Aviation <input type="checkbox"/> Aerospace 4 (JROTC) Global Awareness <input type="checkbox"/> Drill Team <input type="checkbox"/> Computer Science Essentials <input type="checkbox"/> AP Computer Science	<input type="checkbox"/> Digital Design/Multimedia Productions <input type="checkbox"/> Interior/Fashion Design <input type="checkbox"/> Band (not CTE) <input type="checkbox"/> Jazz Band (not CTE) <input type="checkbox"/> Drama (not CTE) <input type="checkbox"/> Windborne Choir (not CTE) <input type="checkbox"/> Microsoft Office <input type="checkbox"/> Yearbook <input type="checkbox"/> Intro to Business/Marketing	<input type="checkbox"/> Microsoft Office <input type="checkbox"/> DD/Multimedia Productions <input type="checkbox"/> Introduction to Business and Marketing <input type="checkbox"/> Leadership <input type="checkbox"/> Yearbook <input type="checkbox"/> Computer Science Essentials <input type="checkbox"/> AP Computer Science <input type="checkbox"/> Personal Finance (not CTE)	<input type="checkbox"/> Intro to Engineering <input type="checkbox"/> Principles of Engineering/Applied Physics <input type="checkbox"/> Computer Science Essentials <input type="checkbox"/> AP Computer Science <input type="checkbox"/> Manufacturing 1: Woods & Metals <input type="checkbox"/> Advanced Manufacturing 2 <input type="checkbox"/> Mechanics <input type="checkbox"/> Microsoft Office <input type="checkbox"/> Advanced Math (Pre-Calculus, AP Calculus, AP Statistics)	<input type="checkbox"/> Cardinal Cafe <input type="checkbox"/> Human Development <input type="checkbox"/> Intro to Culinary <input type="checkbox"/> Advanced Culinary/ProStart <input type="checkbox"/> Interior/Fashion Design <input type="checkbox"/> Microsoft Office <input type="checkbox"/> Intro to Business/Marketing <input type="checkbox"/> Careers in Education <input type="checkbox"/> Psychology (not CTE) <input type="checkbox"/> Sociology (not CTE)	<input type="checkbox"/> Microsoft Office <input type="checkbox"/> Principles of Biomedicine <input type="checkbox"/> Human Body Systems <input type="checkbox"/> Sports Medicine <input type="checkbox"/> Advanced Sports Medicine <input type="checkbox"/> Environmental Science <input type="checkbox"/> Biology (not CTE) <input type="checkbox"/> Animal Science/Biology <input type="checkbox"/> Chemistry (not CTE) <input type="checkbox"/> Plant Science <input type="checkbox"/> Physics (not CTE) <input type="checkbox"/> AP Biology (not CTE) <input type="checkbox"/> Computer Science Essentials <input type="checkbox"/> AP Computer Science
These courses have pre-requisites or a specific order of sequence within the pathway:	Computer Science Essentials → AP Computer Science		Computer Science Essentials → AP Computer Science Algebra I → Geometry → Personal Finance	Intro to Engineering → Principles of Engineering/Applied Physics Computer Science Essentials → <u>AP Computer Science</u> Manufacturing 1: Woods & Metals → <u>Advanced Manufacturing 2</u> Algebra I → Geometry → Algebra II →Pre-Calculus/AP Statistics → AP Calc.	Intro to Culinary → Advanced Culinary/ProStart	Principles of Biomed → <u>Human Body Systems</u> Sports Medicine I →Advanced Sports Medicine Environmental Science →Biology/Animal Science →Chemistry/Plant Science →Physics/AP <u>Biology</u> Computer Science Essentials → AP Computer Science

PATHWAY: Aerospace/Military

Career Clusters: Government & Public Administration, STEM, Law, Public Safety, Corrections & Security, Transportation/Distribution/Logistics

Sample Careers/Occupations	Courses to Consider	Activities to Consider
Aerospace Engineers	Advanced Independent Study (AIS)	ASB
Airplane Pilots	Aerospace 1	Athletics
Armored Assault Vehicle Officers	Aerospace 2	Cheerleading
Avionics Technicians	Aerospace 3	JROTC
Cargo Specialists	Aerospace 4	Key Club
Chaplains	Aerospace Honors Aviation	Knowledge Bowl
Dental and Optical Laboratory Techs	AP Calculus (AB & BC)	Leadership
Divers	AP English Language	National Honor Society
Finance and Accounting Specialists	AP English Literature	WDFY
International Relations Officers	AP European History	Drill Team (JROTC)
Life Scientist	AP United States History	
Marine Engineers	AP World History	
Medical Record Techs	AP Computer Science Principles	
Musicians	Computer Science Essentials	
Nuclear Engineers	CWP-Political Sciences/Economics	
Optometrists	Drill Team (JROTC)	
Petroleum Supply Specialists	English-All Classes	
Photographic Specialists	Life Fitness	
Recruiting Managers and Specialists	Math-All Classes	
Social Workers	Spanish 1, 2	
Welders and Metal Workers	Study Skills	
	United States History	
	World History	

PATHWAY: Applied Arts

Career Clusters: Arts, A/V Technology & Communications

Sample Careers/Occupations	Courses to Consider	Activities to Consider
Actors		ASB
Art Directors	Advanced Independent Study (AIS)	Athletics
Art/Drama/Music Teachers	AP Calculus (AB & BC)	Cardinal Players
Audio/Visual Technology	AP English Language	Cheerleading
Broadcasting	AP English Literature	Key Club
Camera Operators, TV/Video/Film	AP European History	Knowledge Bowl
Choreographers	AP United States History	Leadership
Commercial/Industrial Designers	AP World History	Music, Instrumental
Dancers	Band- All types	Music, Vocal
Designers	CWP-Political Science/Economics	National Honor Society
Directors-Stage/TV/Radio/Film	Digital Design I	WDFY
Editors	Drama	Yearbook
Fashion Designers	English-All Classes	Cheerleading
Film/Video Editors	Intro to Business & Marketing	Key Club
Graphic Designers	Interior/Fashion Design	Knowledge Bowl
Interior Design	Life Fitness	Leadership
Journalism	Math-All Classes	
Multimedia Artists/Animators	Microsoft Office	
Music Directors	Multimedia Productions	
Musicians	Spanish 1 & 2	
Photographers	Study Skills	
Producers/Directors	United States History	
Radio/TV Announcers	Windborne Choir	
Set/Exhibit Designers	World History	
Singers	Yearbook	
Talent Directors		
Visual Arts		
Writers/Authors		

PATHWAY: Business & Technology

Career Clusters: Finance, Marketing, Arts, A/V Technology & Communications, Information Technology, STEM, Business Management & Administration

Sample Careers/Occupations	Courses to Consider	Activities to Consider
Accounting	Advanced Independent Study (AIS)	ASB
Administrative Support	AP Calculus (AB & BC)	Athletics
Architecture	AP English Language	Cheerleading
Banking Services	AP English Literature	FBLA
Business Finance	AP European History	Key Club
Business Information Management	AP United States History	Knowledge Bowl
Food/Beverage Services	AP World History	Leadership
Insurance	AP Computer Science Principles	National Honor Society
General Management	Computer Science Essentials	WDFY
Human Resources Management	CWP-Political Science/Economics	Yearbook
International Business	Digital Design I	
Lodging Managers	English-All Classes	
Marketing Management/Research	Intro to Business & Marketing	
Merchandising	Leadership	
Operations Management	Life Fitness	
Professional Sales	Math-All Classes	
Quality Assurance	Microsoft Office	
Sales and Services	Multimedia Production	
Transportation Operations	Spanish 1 & 2	
Travel and Tourism	Study Skills	
	United States History	
	Work Based Enterprises	
	World History	
	Yearbook	

PATHWAY: Engineering and Manufacturing

Career Clusters: Architecture and Construction, Manufacturing, Information Technology, STEM, Transportation, Distribution & Logistics

Sample Careers/Occupations	Courses to Consider	Activities to Consider
Architectural/Engineering Managers	Advanced Independent Study (AIS)	ASB
Automotive Technician	AP Calculus (AB & BC)	Athletics
Biomedical Engineers	AP Computer Science	Cheerleading
Chemical Engineers	AP English Language	FBLA
Civil Engineers	AP English Literature	Key Club
Computer Hardware Engineers	AP European History	Knowledge Bowl
Computer Network Support	AP United States History	Leadership
Computer Operators	AP World History	National Honor Society
Computer Programmers	Computer Science Essentials	Robotics
Computer Systems Analysts	CWP-Political Science/Economics	WDFY
Construction	English-All Classes	Yearbook
Database Administrators	Industrial Art	
Electrical Engineers	Intro to Engineering	
Engineering	Life Fitness	
Engineering Teachers	Manufacturing/Adv. Manufacturing	
Environmental Engineers	Math-All Classes	
Health and Safety Engineers	Mechanics	
Industrial Engineers	Microsoft Office	
Information Security Analysts	Principles of Engineering	
Manufacturing Production Process	Robotics	
Mechanical Engineers	Spanish 1, 2 & 3	
Network/Computer Systems Admin.	Study Skills	
Nuclear Engineers	United States History	
Software Developers		
Welders		

PATHWAY: Human Services

Career Clusters: Education and Training, Human Services, Hospitality & Tourism, STEM, Health Science, Law, Public Safety, Corrections & Security

Sample Careers/Occupations	Courses to Consider	Activities to Consider
Administration		ASB
Administrative Support	Advanced Independent Study (AIS)	Athletics
Bakers	AP Calculus (AB & BC)	Book Talkers
Barbers	AP English Language	Cheerleading
Childcare Workers	AP English Literature	FCCLA
Clergy	AP European History	Key Club
Consumer Services	AP United States History	Knowledge Bowl
Counseling and Mental Health	AP World History	Leadership
Correction Services	Cardinal Cafe	National Honor Society
Dental Hygienists	Careers in Education	Sports Medicine
Dentists	Culinary/Adv. Culinary	WDFY
Early Childhood Development	CWP-Political Science/Economics	
Emergency and Fire Management	English-All Classes	
Family and Community Services	Health	
Firefighters	Human Development	
Fitness Trainers/Aerobics Instructors	Leadership	
Governance	Life Fitness	
Hair stylists/Cosmetologists	Math-All Classes	
Interpreters and Translators	Psychology	
Law Enforcement	Sociology	
Lawyers	Spanish 1 & 2	
Legal Services	Study Skills	
Personal Care Services	United States History	
Psychologists	Work Based Enterprises	
Restaurants-Chefs, Food Servers	World History	
Security and Protective Services		
Sociologists		
Teaching		

PATHWAY: Sciences (Agriculture, Sports Medicine & Health Sciences)

Career Clusters: Agriculture, Food, and Natural Resources, STEM, Health Science

Sample Careers/Occupations	Courses to Consider	Activities to Consider
Athletic Training	Advanced Independent Study (AIS)	ASB
Biological Scientists	Advanced Sports Medicine	Athletics
Biotechnology Research	Ag Communications	Cheerleading
Chemistry Teachers	Animal Science	FFA
Chemists	AP Biology	Key Club
Chiropractors	AP Calculus (AB & BC)	Knowledge Bowl
Dental Hygienists	AP Computer Science	Leadership
Dentists	AP English Language	National Honor Society
Dietitians/Nutritionists	AP English Literature	Sports Medicine
Nurses	AP European History	WDFY
Occupational Therapists	AP United States History	
Pharmacists	AP World History	
Physical Therapists	Biology	
Physicians/Surgeons	Biotechnology	
Physicists	Chemistry	
Radiologic Technicians	CWP-Political Science/Economics	
Therapeutic Services	English-All Classes	
Vet/Vet Assistant	Environmental Science	
Zoologists/Wildlife Biologists	Health	
	Human Body Systems	
	Life Fitness	
	Math-All Classes	
	Physics	
	Plant Science	
	Principles of Biomedicine	
	Spanish 1 & 2	
	Sports Medicine	
	Study Skills	
	United States History	
	World History	

Course Details

Course	Pre-Requisite(s)	Graduation Requirement Met	Dual Credit or Certification	Other special considerations
English				
English 9	X	English 9		
Honors English 9	X	English 9		Summer Homework required
English 10	X	English 10		
Honors English 10	X	English 10		Summer Homework required
English 11	X	English 11		
AP English Language	X	English 11	Potential to earn college credit based on the College Board AP exam score.	Summer Homework and application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
English 12	X	English 12		
AP English Literature	X	English 12	Potential to earn college credit based on the College Board AP exam score.	Summer Homework and application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
Ag Communications	Permission from instructor	English 12	College Credit at SCC	Membership in FFA recommended.
Bridge to College English	Seniors only - Earning a Level 1 or 2 on the SBAC ELA assessment	English 12		Successful completion of this course can be substituted for the SBAC ELA graduation requirement.
Mathematics				
Algebra I	X	Algebra I		
Geometry	Algebra I	Geometry		
Algebra II	Algebra I, Geometry	3rd credit of math		Required for most 4-year college admissions
Personal Finance	Algebra I, Geometry	3rd credit of math		May be substituted for Algebra II if meets the student's Personalized Pathway
Bridge to College Math	Seniors only - Earning a Level 1 or 2 on the SBAC ELA assessment	Elective Math credit		Successful completion of this course can be substituted for the SBAC Math graduation requirement.

Course	Pre-Requisite(s)	Graduation Requirement Met	Dual Credit or Certification	Other special considerations
Pre-Calculus	Algebra I, Geometry, Algebra II	Elective Math credit		
AP Calculus	Algebra I, Geometry, Algebra II, Pre-Calculus	Elective Math credit	Potential to earn college credit based on the College Board AP exam score.	Summer Homework and application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
AP Statistics	Algebra I, Geometry, Algebra II	Elective Math credit	Potential to earn college credit based on the College Board AP exam score.	May be available through Spokane Virtual Learning.
Science				
Environmental Science	X	Lab Science		
Aerospace 1: Science of Flight	X	Science, CTE		Class is connected to the JROTC program.
Biology	Algebra 1	Lab Science		
Animal Science/Biology	Algebra 1	Lab Science		
Biotechnology	Environmental Science, Biology	Lab Science		
Plant Science	Environmental Science, Biology	Lab Science	College Credit at SCC	
Chemistry	Environmental Science, Biology	Lab Science		
Advanced Culinary (ProStart)	Intro to Culinary	Lab Science, CTE		
Principles of Biomed	X	Lab Science, CTE		
Human Body Systems	Principles of Biomedicine	Science, CTE		
Principles of Engineering	Intro to Engineering	Applied Physics		
Physics	Environmental Science, Biology, Algebra II	Lab Science		

Course	Pre-Requisite(s)	Graduation Requirement Met	Dual Credit or Certification	Other special considerations
AP Biology	Environmental Science, Biology, Chemistry	Lab Science	Potential to earn college credit based on the College Board AP exam score.	Offered every other year (to be offered in 2020-2021) Summer Homework and application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
AP Computer Science	Intro to Computer Science	Science, CTE	Potential to earn college credit based on the College Board AP exam score.	Application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
Social Studies				
Washington State History	X	Washington State History		May be substituted by another state history if taken in grades 7-12 or waived if transferring in during 12th grade.
World History	X	Social Studies Elective		
AP World History	X	Social Studies Elective	Potential to earn college credit based on the College Board AP exam score.	Summer Homework and application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
Aerospace 2: Aviation History	X	Social Studies Elective/World History, CTE		Class is connected to the JROTC program.
U.S. History	World History or Social Studies Elective	U.S. History		
AP U.S. History	World History or Social Studies Elective	U.S. History	Potential to earn college credit based on the College Board AP exam score.	Summer Homework and application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
Economics/Political Science (CWP)	World History or Social Studies Elective, U.S. History	Economics/Political Science		

Aerospace 4: Global Awareness	World History or Social Studies Elective, U.S. History	Economics/Political Science		Class is connected to the JROTC program.
AP European History	World History or Social Studies Elective, U.S. History	Economics/Political Science	Potential to earn college credit based on the College Board AP exam score.	Summer Homework and application required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
Course	Pre-Requisite(s)	Graduation Requirement Met	Dual Credit or Certification	Other special considerations
World Language				
Spanish I	X	World Language (may be substituted by PPR course)		
Spanish II	Spanish I	World Language (may be substituted by PPR course)		
French I	X	World Language (may be substituted by PPR course)		Offered every other year (to be offered in 2020-2021)
French II	French I	World Language (may be substituted by PPR course)		Offered every other year (to be offered in 2019-2020)
Fine Art				
Windborne Choir	X	Fine Art		
Band	X	Fine Art		P.E. waivers are available (.5 credit waived for 1 yr. of band)
Jazz Band	Audition Required	Fine Art		
Drama	X	Fine Art		
Interior/Fashion Design	X	Fine Art, CTE	College Credit at CWU	
Manufacturing 1: Woods & Metals (formerly Industrial Art)	X	Fine Art, CTE		
Digital Design	X	Fine Art, CTE		
Yearbook	Grades 10-12 only	Fine Art, CTE		
Intro to Engineering	X	Fine Art, CTE		
Multimedia Production	X	Fine Art, CTE	College Credit	
Plant Science	Environmental Science, Biology	Fine Art, CTE, Lab Science	College Credit at SCC	

Course	Pre-Requisite(s)	Graduation Requirement Met	Dual Credit or Certification	Other special considerations
P.E./Health				
Life Fitness	X	P.E.		
Weights	X	P.E.		
JROTC Drill Team	Concurrent enrollment with an Aerospace class required.	P.E.		Class is connected to the JROTC program.
Health (1 semester)	X	Health		
Human Development	X	Health		Must be taken for the full year to gain health credit.
Career & Technical Ed. (CTE)				
Intro to Culinary	X	CTE	College credit at SCC	
Advanced Culinary (ProStart)	Intro to Culinary	CTE, Lab Science		
Interior/Fashion Design	X	CTE	College Credit at CWU	
Human Development	X	CTE, Health	Child Dev. National STARS Certification, first aid, College Credit at SCC	
Cardinal Cafe/Career Focus	X	CTE	Food Handler Card	
Careers in Education	Grades 10-12	CTE		
Intro to Computer Science	X	CTE		
AP Computer Science	Intro to Computer Science	CTE, Science		Offered every other year (to be offered in 2018-20)
Intro to Engineering	X	CTE, Fine Art		
Principles of Engineering	Intro to Engineering	CTE, Applied Physics		
Mechanics	X	CTE		
Manufacturing 1: Woods & Metals (formerly Industrial Art)	X	CTE		
Adv. Manufacturing 2: Woods & Metals	2 years of Manufacturing Woods & Metals	CTE		
Microsoft Office	X	CTE	Microsoft Office Specialist Certification College credit at SCC	

Course	Pre-Requisite(s)	Graduation Requirement Met	Dual Credit or Certification	Other special considerations
Digital Design	X	CTE, Fine Art		
Multimedia Production	X	CTE, Fine Art		
Yearbook	Grades 10-12 only	CTE, Fine Art		
Intro to Business & Marketing	X	CTE		
Leadership	X	CTE, Fine Art		
Principles of Biomedicine	X	CTE, Lab Science		
Human Body Systems	Principles of Biomedicine	CTE		
Sports Medicine I	X	CTE	Adult, Child, and Infant CPR/AED/First Aid certification.	
Advanced Sports Medicine	Sports Medicine I	CTE	Adult, Child, and Infant CPR/AED/First Aid certification.	
CTE Environmental Science	X	CTE, Lab Science		
Biotechnology	Environmental Science, Biology	CTE, Lab Science		Offered every other year, starting in 2019-2020.
Plant Science	Environmental Science, Biology	CTE, Fine Art, Lab Science	College Credit at SCC	
Ag Communications	Permission from instructor	CTE, English 12	College Credit at SCC	Membership in FFA recommended.
Aerospace 3: Space Exploration	X	CTE		Class is connected to the JROTC program.
JROTC Honors Aviation/Ground School	Aerospace 1, Aerospace 2	CTE		Class is connected to the JROTC program.
Electives				
Psychology	X	Social Studies Elective, Elective		
Sociology	X	Social Studies Elective, Elective		
Study Skills	by permission	Elective		
Academic Center	Failed course and by permission	Elective		
Math Tutor	Grades 11-12 and by permission	Elective		

Teacher's Assistant/Office Aide/Counseling Aide/Library Aide	Grades 11-12 and by permission	Elective		
Advanced Independent Study	Grades 11-12 and by permission	Elective	Potential to earn college credit based on the College Board AP exam score.	Application and mentor required. Taking the Advanced Placement (AP) exam in the spring is the culmination of the course.
Newtech Skill Center	Grades 11-12 and by permission	Dependent on program.	http://www.spokaneschools.org/Domain/678	Application should be submitted the spring (February/March) of 10th grade year. Acceptance is based on credits, timeliness of application and availability in requested programs.
Running Start	Grades 11-12 and by permission	Dependent on courses taken.	https://sites.ewu.edu/highschool/running-start-on-campus/ http://sfcc.spokane.edu/Become-a-Student/High-School/SFCC-Running-Start	EWU requires a 3.3 GPA. Both EWU and SFCC/SCC require college level entrance exams and a completed application preferably in the spring of the 10th grade year.

Course Descriptions

English	Course Description
English 9	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	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	This class builds upon the foundation provided in English 9. 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	Completion of a summer assignment is 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 10, 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	This class builds upon the foundation provided in English 9 and English 10. 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	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.

English 12	<p>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.</p> <p>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.</p>
AP English Literature	<p>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 us 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.</p>
Ag Communications	<p>This course teaches students to think critically and communicate ideas orally, visually and in writing. Students will look at current agricultural issues, sales and marketing of agricultural products, different aspects of agriculture in Washington and also a global view. Topics covered include; animal agriculture, food science, ag technology, employability skills, leadership, careers, conduct of meetings and individual interests. This course teaches students to think critically and communicate ideas orally, visually and in writing. Students will look at current agricultural issues, sales and marketing of agricultural products, different aspects of agriculture in Washington and also a global view. Topics covered include; animal agriculture, food science, ag technology, employability skills, leadership, careers, conduct of meetings and individual interests.</p> <p>Ag Com I: introductory course to all topics listed above, can be taken for a total of 360 hours with individual projects developed.</p> <p>Ag Com II: Advanced course which covers all above in general description with additional emphasis upon developing a business/and or marketing plan, career research and job shadows, ag literacy, advocacy and education.</p> <p>Unique Learning Opportunities: Leadership credit at Spokane Community Colleges; project based learning using local, regional and state competitions in FFA,</p>
Bridge to College English	<p>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.</p>

Mathematics	Course Description
Algebra I	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	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	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.
Personal Finance	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.
Bridge to College Math	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.
Pre-Calculus	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	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	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.
Science	Course Description
Environmental Science	<p>The course provides students a variety of experiences that in the fields of natural resources and ecology. Students will explore hands-on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agencies. Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course. Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem.</p> <p>Unique learning Opportunities: Supervised Agricultural Experience (SAE) in the form of natural resource career exploration, Water quality studies on the Spokane River, Raising trout when available, Wolf population study in Washington, Performance based learning (hands on, emphasis on project based learning), Participation in National Park Service "River Mile" Project</p>
Aerospace 1: Science of Flight	<p>This course provides writing, speaking, organizational and management skills necessary in life and meets the Washington State Science Standards requirements. Space Exploration covers the latest advances in space technology and the continuing challenges of space and manned spaceflight.</p> <p>Skills Developed: Practical application of researching, writing and presenting business and personal communications are the stressed areas of development. These include, but are not limited to: listening effectively, resume, cover letters and thank you letters, interviewing, job search, persuasive writing and speaking, oral and written reports and a challenging array of leadership and management problems. 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. Unique Learning Opportunities Tests/quizzes, homework, projects, presentations, and advanced 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 and orientation flights augment the academic instruction.</p>
Biology	<p>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.</p>

Animal Science/Biology	<p>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. Underlying biological principles such as cells and their processes, as well as anatomy and physiology of body systems relating to animals, dissection and laboratory investigations are part of this project based hands on biology curriculum.</p> <p>Unique Learning Opportunities: SAE are student determined projects based on the class requirements. SAE.01. This course will include instruction in and Student involvement in Supervised Agricultural 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</p>
Biotechnology	<p>Animal and Plant Biotechnology, a specialization course in the CASE Program of Study, provides students with experiences in industry appropriate applications of biotechnology related to plant and animal agriculture. Students will complete hands-on activities, projects, and problems designed to build content knowledge and technical skills in the field of biotechnology. Woven in this course is biology basics with an emphasis on laboratory skills and documentation.</p> <p>Unique Learning Opportunities: Students will maintain a research level Laboratory Notebook throughout the course documenting their experiences in the laboratory. Research and experimental design will be highlighted as students develop and conduct industry appropriate investigations. Emphasis on performance based learning, laboratory techniques, and mastery of biological principles.</p>
Plant Science	<p>Principles of Agricultural Science – Plant (ASP) course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting “hands-on” activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Students manage school greenhouse and learn greenhouse production, management, marketing and sales.</p> <p>Unique Learning Opportunities: Tech Prep Credit AGHRT 103, Introduction to Greenhouse and Nursery Production, SCC, hands on project based learning, and understanding how to run a business..</p>
Chemistry	<p>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.</p>
Advanced Culinary (ProStart)	<p>s Training prepares individuals to provide professional chef and related cooking services in restaurants and other commercial food establishments. The course includes instruction in recipe and menu planning, preparing and cooking foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation, and familiarity or mastery of a wide variety of cuisines and culinary techniques. By bringing together the industry and the classroom, ProStart gives students a platform to discover new interests and talents to open doors for fulfilling careers. It happens through a curriculum that includes all facets of the industry, and sets a high standard of excellence for students and the industry.</p> <p>Unique Learning Opportunities; Students who have completed the requirements of the ProStart program are awarded an industry-recognized certificate – the ProStart National Certificate of</p>

	<p>Achievement. To earn the certificate, students pass two national exams, demonstrate a mastery of foundational skills and work 400 mentored hours. Students who receive the certificate are eligible for NRAEF scholarship opportunities and course credits at more than 75 of the country's leading hospitality and culinary arts colleges and universities. Students will also be eligible to receive a 2000 hour pre-apprenticeship certification with the completion of ProStart year 1 and year 2.</p>
Principles of Biomed	<p>This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, and infectious diseases. They determine the factors that lead to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and project introduce students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.</p> <p>Unique Experience: Hands on opportunity to learn, career opportunities for understanding Bio Med, and using state of the art equipment.</p>
Principles of Engineering/Applied Physics	<p>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 project-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. 35 Skills Developed: Communication, critical-thinking, problem-solving, and planning, evaluation and execution of a plan. All while understanding how science can be used to understand how our world works and where it is going. Unique Learning Opportunities: Machine design and analysis, renewable energy system design, Bridge design and test, Robotic material sorter design, Ballistics/Battleship game.</p>
Physics	<p>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</p>

AP Biology	<p>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.</p>
AP Computer Science	<p>The course is designed to cover all learning objectives in the College Board’s AP CS Principles framework and to prepare student to do well on the AP assessment. Students work in teams to develop computational thinking and solve problems. The course does not aim to teach mastery of a single programming language, but aims instead to develop excitement about the field of computing and introduce computational tools. The course is planned for a rigorous pace so that students are as prepared for the AP assessment as possible. Skills Development: Procedural, event-driven, and object-oriented programming, small and large team programming, IT knowledge and skills, big data usage, intelligent behavior Unique Learning Opportunities:: Mobile app development, Website and security, Control circuits and smart development strategies, all building to the AP Performance Task.</p>
Social Studies	Course Description
Washington State History	<p>This course meets Washington State’s requirement for Washington state history. This course is designed to develop awareness, appreciation and understanding of the regions of the Pacific Northwest. Upon successful completion of this course students earn a .5 Social studies credit</p>
World History	<p>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.</p>
AP World History	<p>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</p>

	take the AP exam in May. Estimated cost is approximately \$90.00
Aerospace 2: Aviation History	This course provides an in-depth study of World History and aviation history while meeting the Washington State 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 include military customs and courtesies, flag etiquette, and advanced drill as well as team building, conflict resolution, organization techniques and leadership methods. Unique Learning Opportunities 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 and orientation flights augment the academic instruction.
Psychology/Sociology	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.
U.S. History	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	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. 29 Costs: The student may elect to take the AP exam in May. Estimated cost is approximately \$90.00
Political Science/Economics (CWP)	Political Science: 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. Economics: 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 trial and research paper, and weekly news study and discussions of current events as they apply to the units.
Aerospace 4: Global Awareness	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. 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. Unique Learning Opportunities: 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. Performing duties of assigned corps job. Uniforms are worn once a week and inspections occur once a month. Field trips and orientation flights augment the academic instruction.
AP European History	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 \$90.00.
World Language	Course Description
Spanish I	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	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.
French I	To give students a fundamental understanding of the French language. Skills Developed: The student will develop the ability to read, write, understand and speak the French language at an introductory level. Major Assignments: Listening activities, videos, quizzes, chapter tests, and oral presentation, participation and homework. Special Requirements: Students enroll in a full year course for credit. Juniors will have priority to ensure they can get two sound years of a foreign language requirement in for college admission purposes.
French II	To build on a fundamental understanding of the French language. Skills Developed: The student will develop the ability to read, write, understand and speak the French language at an introductory level. Major Assignments: Listening activities, videos, quizzes, chapter tests, and oral presentation, participation and homework. Special Requirements: Students enroll in a full year course for credit. Juniors will have priority to ensure they can get two sound years of a foreign language requirement in for college admission purposes.
Fine Art	Course Description
Windborne Choir	This choir is the public relations arm to the community. Basic vocal skills are continued to an advanced 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. 16 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.

Band	<p>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".</p>
Jazz Band	<p>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</p>
Drama	<p>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, and scenes from plays, stage make-up and puppetry.</p>
Interior/Fashion Design	<p>In Housing, Interiors, and Furnishings students learn the knowledge, skills, and practices required for careers in Housing, Interiors, and Furnishings. The course focuses on the behavioral, social, economic, functional and aesthetic aspects of housing, interiors and furnishings. Instruction includes analyzing, planning, designing, furnishings and equipping residential, work and leisure spaces to meet user needs, and the study of related policies In Textiles and Apparel students learn the knowledge, skills and practices required for careers in Textiles and Apparel. The course focuses on the development of textile products, clothing design and construction, their distribution and use in terms of the psychological, social, economic, and physical needs of consumers. Unique Learning Opportunities: College Credit with Central Washington University (Pending)</p>
Manufacturing 1: Woods & Metals (formerly Industrial Art)	<p>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.</p>
Digital Design	<p>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. Unique Learning Opportunities: The Adobe Cloud 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 digital art show.</p>

Yearbook	<p>The prime purpose of the Yearbook staff is the publication of the yearbook “The Cardinal” for the current school year. Functioning under a deadline system are key skill areas in Yearbook/publication. Strict deadlines and responsible time management in class are large components of grading. This is a project based learning class that students take the management positions to produce an authentic publication.</p> <p>Skills Developed: Photography, Photoshop/Photo Editing, Layout design, Graphic Design, Computer Technology, Cooperation in Small Group Work, Copywriting, Photo-Journalistic Techniques</p> <p>Unique Learning Opportunities: Participation in all deadlines, selling of advertisements, and other money making activities in support of the yearbook. Students will be required to attend at least 6 extracurricular events per year (2 per season) to take photos.</p>
Intro to Engineering	<p>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.</p> <p>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 to complete the various projects during the year.</p> <p>Unique Learning Opportunities: Throughout the year, Instant Challenges push students to create effective solutions in a short time. Students have 3 major projects, each progressively more ambitious, that requires students use all the knowledge and skill obtained in order to successfully complete on time. All skills will be taught, so don't worry about being new to this field of study.</p>
Multimedia Production	<p>This course is an introductory dive into the world of photography, graphic design, video production and web design. Students will learn about the basics of computing, photography terminology and techniques, lighting, composition, text formatting, color theory, image formats and manipulation, image editing, video production and audio usage, project management, and more for the creation of their own personal website as a final project. Software used will be programs in the Adobe CC suite such as Photoshop, Illustrator, Premiere Pro, After Effects, Muse, and others.</p> <p>Skills Developed: Computer Technology, Photography, Photoshop/Photo Editing, Graphic Design, Video, Production/Editing, Sound Recording, Web Design, Photo-Journalistic Techniques</p> <p>Unique Learning Opportunities: Project Based, hands on learning opportunities and Industry Standard tools.</p>
Plant Science	<p>Principles of Agricultural Science – Plant (ASP) course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting “hands-on” activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Students manage school greenhouse and learn greenhouse production, management, marketing and sales.</p> <p>Unique Learning Opportunities: Tech Prep Credit AGHRT 103, Introduction to Greenhouse and Nursery Production, SCC, hands on project based learning, and understanding how to run a business.</p>

Leadership	<p>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 Unique Learning Opportunities: Learn how to manage multiple projects and produce authentic results. Students learn how to work in asthenic work environments. This class is based on Project Management Business principles.</p> <p>Unique Learning Opportunities: Projects are based on school activities: Homecoming, Spirit Game, Community Services, Anti Bullying Campaigns, internet safety, and much more! Students lead the school activities and make a positive difference in the school environment!</p>
P.E./Health	Course Description
Life Fitness	<p>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 nonsuits per quarter.</p>
Weights	<p>In weights class students will be able to identify lifts, practice proper technique, and understand various muscle groups. Students are expected to understand the 5 fitness components and work on each to better their overall health and fitness. The class promotes speed and agility, and athletic movements to better serve our student/athletes as they compete in their respected sports. Students take pre-assessments and work on each assessment and re-test at the end of the semester to see how much growth they have experienced. Students will be able to create an individual fitness plan by the end of the semester to serve their needs and desires.</p>
JROTC Drill Team	<p>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 demonstration 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.</p> <p>Unique Learning Opportunities: 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.</p>
Health (1 semester)	<p>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.</p> <p>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 everyday life. Students will be trained to use an Automated External Defibrillator (AED).</p> <p>Unique Learning Experiences: Participate in class discussions/assignments. Collaboratively working in groups presentations focusing on teamwork, journal entries, utilizing technology to research and locate information individually and with partners, research paper, mini projects, and class</p>

	involvement. Daily attendance is crucial.
Human Development (full year for health credit)	<p>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</p> <p>Unique opportunities: National STARS certification Unique Learning Opportunities: Work Ready with STARS certification (Early Childhood Development), Industry Certificates: Food Handlers and First Aid, College Credit with Spokane Community Colleges</p>
Career & Technical Ed. (CTE)	Course Description
Intro to Culinary	<p>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. Second semester will focus on where they left off with Intro to Culinary Arts demonstrating higher levels of food production skills as well as developing a greater knowledge base of Nutrition. Students will be able to obtain a college credit from SCC for Nutrition for Chefs and Restaurant Management</p> <p>Unique Opportunities: College Credit for Nutrition, Industry Certification, Catering Experience</p>
Advanced Culinary (ProStart)	<p>Culinary Arts/ Chefs Training prepares individuals to provide professional chef and related cooking services in restaurants and other commercial food establishments. The course includes instruction in recipe and menu planning, preparing and cooking foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation, and familiarity or mastery of a wide variety of cuisines and culinary techniques. By bringing together the industry and the classroom, ProStart gives students a platform to discover new interests and talents to open doors for fulfilling careers. It happens through a curriculum that includes all facets of the industry, and sets a high standard of excellence for students and the industry.</p> <p>Unique Learning Opportunities; Students who have completed the requirements of the ProStart program are awarded an industry-recognized certificate – the ProStart National Certificate of Achievement. To earn the certificate, students pass two national exams, demonstrate a mastery of foundational skills and work 400 mentored hours. Students who receive the certificate are eligible for NRAEF scholarship opportunities and course credits at more than 75 of the country’s leading hospitality and culinary arts colleges and universities. Students will also be eligible to receive a 2000 hour pre-apprenticeship certification with the completion of ProStart year 1 and year 2.</p>
Interior/Fashion Design	<p>In Housing, Interiors, and Furnishings students learn the knowledge, skills, and practices required for careers in Housing, Interiors, and Furnishings. The course focuses on the behavioral, social, economic, functional and aesthetic aspects of housing, interiors and furnishings. Instruction includes analyzing, planning, designing, furnishings and equipping residential, work and leisure spaces to meet user needs, and the study of related policies In Textiles and Apparel students learn the knowledge, skills and practices required for careers in Textiles and Apparel. The course focuses on the development of textile products, clothing design and construction, their distribution and use in</p>

	<p>terms of the psychological, social, economic, and physical needs of consumers.</p> <p>Unique Learning Opportunities: College Credit with Central Washington University (Pending)</p>
Human Development	<p>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</p> <p>Unique opportunities: National STARS certification</p> <p>Unique Learning Opportunities: Work Ready with STARS certification (Early Childhood Development), Industry Certificates: Food Handlers and First Aid, College Credit with Spokane Community Colleges</p>
Cardinal Cafe/Career Focus	<p>Work Based Enterprises is a class designed to ultimately prepare students to enter and be successful in the workplace. Students will learn how to run a business by managing the Student Store. Students will learn how to use industry equipment to make products, learn how to cost out products, inventory, and advertise their products. Students will learn how to balance the business books. 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 Washington State food handler's card.</p> <p>Unique Learning Opportunities: Learn on Industry equipment, get an industry certificate, and work on some catering experiences.</p>
Careers in Education	<p>In Careers in Education students learn the knowledge, skills, and practices required for careers in education. The course focuses on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; and the social foundations of education. In addition standards and competencies from the Early Childhood, Education and Services and the Family and Community Services sections of the Family and Consumer Sciences National Standards are attained by students, preparing them for the beginning levels of a variety of human service careers.</p> <p>Unique Learning Opportunities: Students will have hands on experience in the teaching field. Further experience will include working with a teacher as a TA.</p>
Computer Science Essentials	<p>Computer Science Essentials is an introductory course focused on basic programming skills using a variety of interfaces and technology. The class starts with MIT App Inventor, a block-based language, which will help show the important concepts all programmers need to understand. Then using a combination of block and text-based code, we use robots to visualize how our code works. The class finishes with Python, an entirely text-based language. This class was designed for students new to computer science and programming, but anyone interested in preparing for AP computer science classes.</p> <p>Skill Development: CSE is focused on programming skills. After the basics like, functions, loops, conditionals, and arrays. The class will shift to robotics and Python using HTML as the visualization of the work.</p> <p>Unique Learning Opportunities: Android app creations, self-driving cars, and a python-based website.</p>
AP Computer Science Principles	<p>The course is designed to cover all learning objectives in the College Board's AP CS Principles framework and to prepare student to do well on the AP assessment. Students work in teams to develop computational thinking and solve problems. The course does not aim to teach mastery of a single programming language, but aims instead to develop excitement about the field of computing and introduce computational tools. The course is planned for a rigorous pace so that students are as prepared for the AP assessment as possible.</p> <p>Skill Development: Procedural, event-driven, and object-oriented programming, small and large</p>

	<p>team programming, IT knowledge and skills, big data usage, intelligent behavior</p> <p>Unique Learning Opportunities: Mobile app development, Website and security, Control circuits and smart development strategies, all building to the AP Performance Task.</p>
Intro to Engineering	<p>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.</p> <p>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 to complete the various projects during the year.</p> <p>Unique Learning Opportunities: Throughout the year, Instant Challenges push students to create effective solutions in a short time. Students have 3 major projects, each progressively more ambitious, that requires students use all the knowledge and skill obtained in order to successfully complete on time. All skills will be taught, so don't worry about being new to this field of study.</p>
Principles of Engineering	<p>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 project-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.</p> <p>Anyone considering a physics or engineering based career would gain valuable experience from this course.</p> <p>Skills Developed: Communication, critical-thinking, problem-solving, and planning, evaluation and execution of a plan. All while understanding how science can be used to understand how our world works and where it is going.</p> <p>Unique Learning Opportunities: Machine design and analysis, renewable energy system design, Bridge design and test, Robotic material sorter design, Ballistics/Battleship game.</p>
Mechanics	<p>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 plumbing, and basic metal working techniques. Basic automotive technology is also covered with emphasis on maintenance.</p>
Manufacturing 1: Woods & Metals (formerly Industrial Art)	<p>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 (metals and woods), manufacturing processes, and 3D modeling. 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. A course that generally prepares individuals to apply technical knowledge and skills to lay out and shape stock; assemble wooden articles or subassemblies; mark, bind, saw, carve, and sand wooden products; repair wooden articles, and use a variety of hand and power tools.</p> <p>Unique Learning Opportunities: Students will develop and master many "shop" skills such as welding, soldering, electrical wiring, framing, plumbing, the use of power tools to complete a project, and much more. Students will also learn how to work as a team and develop work habits directed for employment.</p>

Advanced Manufacturing 2: Woods & Metals (formerly Pre-Apprenticeship)	This course builds upon the foundations learned In Manufacturing 1. Students will take the skills learned to a deeper level and work on authentic projects. This is a program that prepares individuals to apply and enter an apprenticeship program usually as an apprentice. Includes instruction in the use of tools, general skill knowledge of the various trades, physical strength requirements, blueprint reading, general safety practices, math and communication skills. Unique Learning Opportunities: Student will make connections with industry experts and learn how to get jobs as an apprentice. This is a pathway designed to go straight into high paying work experiences or go to the Spokane Community Colleges for extended opportunities.
Microsoft Office	This class allows for students to get certifications for better paying jobs. These certifications are free for enrolled high school students but cost money for others trying to get these certifications. The purpose of this course gives student the opportunity to earn Industry Certification using the Microsoft products. These certifications allow the student to start employment opportunities while in high school and helps students to develop their technical skills for classes in high school. The purposes of this course it to provide an in depth look at the Microsoft Office Suite and obtain industry certification to gain employment. Students will receive extensive instruction in the entire Office suite, as well as learn the details of each individual program. Students will learn to create and alter documents, spreadsheets and presentations; as well learning about the format of each program. Students will also learn to create and manipulate databases in Access and put together and present slideshows in PowerPoint. The class will learn to create documents in publisher and to manipulate business documents inside InfoPath. The course is designed to be a rigorous and thorough education about the Microsoft Office Suite Unique Learning Opportunities: Students will receive industry certification which gains employment opportunities, in PowerPoint, Publisher, Word, Excel, and Access. This is a challenge based class so students can go at their own pace.
Digital Design	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. Unique Learning Opportunities: The Adobe Cloud 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 digital art show.
Multimedia Production	This course is an introductory dive into the world of photography, graphic design, video production and web design. Students will learn about the basics of computing, photography terminology and techniques, lighting, composition, text formatting, color theory, image formats and manipulation, image editing, video production and audio usage, project management, and more for the creation of their own personal website as a final project. Software used will be programs in the Adobe CC suite such as Photoshop, Illustrator, Premiere Pro, After Effects, Muse, and others. Skills Developed: Computer Technology, Photography, Photoshop/Photo Editing, Graphic Design, Video, Production/Editing, Sound Recording, Web Design, Photo-Journalistic Techniques Unique Learning Opportunities: Project Based, hands on learning opportunities and Industry Standard tools.
Yearbook	The prime purpose of the Yearbook staff is the publication of the yearbook “The Cardinal” for the current school year. Functioning under a deadline system are key skill areas in Yearbook/publication. Strict deadlines and responsible time management in class are large components of grading. This is a project based learning class that students take the management positions to produce an authentic publication. Skills Developed: Photography, Photoshop/Photo Editing, Layout design, Graphic Design, Computer Technology, Cooperation in Small Group Work, Copywriting, Photo-Journalistic Techniques Unique Learning Opportunities: Participation in all deadlines, selling of advertisements, and other

	<p>money making activities in support of the yearbook. Students will be required to attend at least 6 extracurricular events per year (2 per season) to take photos.</p>
Intro to Business & Marketing	<p>Students will be able to define Entrepreneurship and explain its role in modern day industry, by developing their own business opportunities. 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.</p> <p>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.</p>
Leadership	<p>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</p> <p>Unique Learning Opportunities: Learn how to manage multiple projects and produce authentic results. Students learn how to work in asthenic work environments. This class is based on Project Management Business principles.</p> <p>Unique Learning Opportunities: Projects are based on school activities: Homecoming, Spirit Game, Community Services, Anti Bullying Campaigns, internet safety, and much more! Students lead the school activities and make a positive difference in the school environment!</p>
Principles of Biomedicine	<p>This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, and infectious diseases. They determine the factors that lead to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have a prolonged the person's life. The activities and project introduce students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses. Unique Experience: Hands on opportunity to learn, career opportunities for understanding Bio Med, and using state of the art equipment.</p>
Human Body Systems	<p>Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. Unique Learning Experiences: This class is hands on and project based. Students learn through application of knowledge using real life and relevant projects and equipment. This class helps prepare students for careers in the BioMed pathway where students can select a two year degree or 4 year degree.</p>

Sports Medicine I	<p>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.</p> <p>Unique Learning 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.</p> <p>Certifications: Students will receive their Adult, Child, and Infant CPR/AED/First Aid certification.</p>
Advanced Sports Medicine	<p>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.</p> <p>Unique Learning Experiences: 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.</p> <p>Certifications: Students will receive their Adult, Child, and Infant CPR/AED/First Aid certification.</p>
Plant Science	<p>Principles of Agricultural Science – Plant (ASP) course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting “hands-on” activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Students manage school greenhouse and learn greenhouse production, management, marketing and sales.</p> <p>Unique Learning Opportunities: Tech Prep Credit AGHRT 103, Introduction to Greenhouse and Nursery Production, SCC, hands on project based learning, and understanding how to run a business.</p>
Ag Communications	<p>This course teaches students to think critically and communicate ideas orally, visually and in writing. Students will look at current agricultural issues, sales and marketing of agricultural products, different aspects of agriculture in Washington and also a global view. Topics covered include; animal agriculture, food science, ag technology, employability skills, leadership, careers, conduct of meetings and individual interests. This course teaches students to think critically and communicate ideas orally, visually and in writing. Students will look at current agricultural issues, sales and marketing of agricultural products, different aspects of agriculture in Washington and also a global view. Topics covered include; animal agriculture, food science, ag technology, employability skills, leadership, careers, conduct of meetings and individual interests.</p> <p>Ag Com I: introductory course to all topics listed above, can be taken for a total of 360 hours with individual projects developed.</p> <p>Ag Com II: Advanced course which covers all above in general description with additional emphasis upon developing a business/and or marketing plan, career research and job shadows, ag literacy, advocacy and education.</p>

	Unique Learning Opportunities: Leadership credit at Spokane Community Colleges; project based learning using local, regional and state competitions in FFA.
Aerospace 3: Space Exploration	This course provides an in-depth study of Physical Science and Aviation Science while supporting the Washington State Essential Academic Learning requirements. Skills Developed: Knowledge is gained about the environment, the atmosphere, weather, aerodynamics, the human body, chemistry and the basic physical principles that govern our lives. Writing and speaking are integrated into the curriculum. Leadership studies include military customs and courtesies, flag courtesies, basic drill as well as study techniques and time management. Unique Learning Opportunities Tests/quizzes, homework, projects, and drill performance. Uniforms are worn once a week and inspections occur once a month. Field trips and orientation flights augment the academic instruction.
JROTC Honors Aviation/Ground School	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 on a KC-135 (limited numbers), 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.
Electives	Course Description
Psychology/Sociology	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.
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.
Academic Center	This is a credit recovery class. Students work on individual classes through the online program Gradpoint. There is an onsite 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.
Math Tutor	Students with a desire to help others in math should consider becoming a math tutor in the Study Skills classrooms or Academic Centers. These students should be strong in Algebra, Geometry, Algebra II or higher and have the patience to tutor and teach other students. By permission only and application available in the Counseling Center.

Teacher's Assistant/Office Aide/Counseling Aide/Library Aide	Juniors and seniors may apply to be a class assistant. Permission must be obtained from the instructor, parent, counselor and 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 as well. Credit is earned for work as an assistant. Grading will be a pass/fail.
Advanced Independent Study	AIS allows students to take Advanced Placement (AP) courses that are not available at Medical Lake High School by using a mentor teacher and agreeing to finish assignments and tests in preparation for the AP test in the spring. Students can choose to fill an empty period in their day to work on AIS or work from home on a particular AP subject. See Mrs. Luhn for more information.
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 Skill 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.

Four-Year Planning Document

Graduation Requirements	Grade 9	Grade 10	Grade 11	Grade 12
English (4 credits)	<input type="checkbox"/> English 9 <input type="checkbox"/> Honors English 9	<input type="checkbox"/> English 10 <input type="checkbox"/> Honors English 10	<input type="checkbox"/> English 11 <input type="checkbox"/> AP English Language	<input type="checkbox"/> Bridge to College English <input type="checkbox"/> English 12 <input type="checkbox"/> AP English Literature <input type="checkbox"/> Ag Communications
Math (3 credits)	<input type="checkbox"/> Algebra 1 <input type="checkbox"/> Geometry <input type="checkbox"/> Other _____	<input type="checkbox"/> Geometry <input type="checkbox"/> Algebra II <input type="checkbox"/> Other _____	<input type="checkbox"/> Algebra II <input type="checkbox"/> Personal Finance <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Other _____	<input type="checkbox"/> Bridge to College Math <input type="checkbox"/> AP Calculus <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Other _____ **
Science (3 credits, at least 2 Lab Science credits)	<input type="checkbox"/> Environmental Science <input type="checkbox"/> Aerospace 1: Science of Flight (not lab) <input type="checkbox"/> Biology <input type="checkbox"/> Animal Science/Biology	<input type="checkbox"/> Biology <input type="checkbox"/> Animal Science/Biology <input type="checkbox"/> Chemistry	<input type="checkbox"/> Chemistry <input type="checkbox"/> Plant Science <input type="checkbox"/> Physics or Applied Physics <input type="checkbox"/> Principles of Biomed <input type="checkbox"/> Biotechnology	<input type="checkbox"/> Physics or Applied Physics <input type="checkbox"/> AP Biology <input type="checkbox"/> Other _____ <input type="checkbox"/> Principles of Engineering/ Applied Physics
Social Studies (3 credits)	** (gray box indicates the course is not required for an additional credit(s), but may be recommended for the pathway)	<input type="checkbox"/> World History <input type="checkbox"/> AP World History <input type="checkbox"/> Aerospace 2: Aviation History <input type="checkbox"/> Psychology/Sociology	<input type="checkbox"/> U.S. History <input type="checkbox"/> AP U.S. History	<input type="checkbox"/> CWP (Econ/Political Sci.) <input type="checkbox"/> Aerospace 4: Global Awareness <input type="checkbox"/> AP European History
Physical Education/ Health (1.5 PE/.5 Health)	<input type="checkbox"/> PE/Health <input type="checkbox"/> Human Development (Health)	<input type="checkbox"/> PE/Weights		
Career and Technical Ed. (1 credit)	<input type="checkbox"/> _____ (see PPR choices)	<input type="checkbox"/> _____ (see PPR choices)	<input type="checkbox"/> _____ (see PPR choices)	<input type="checkbox"/> _____ (see PPR choices)
Fine Art (2 credits or 1 Art, 1 PPR*)	<input type="checkbox"/> Windborne Choir <input type="checkbox"/> Band <input type="checkbox"/> Jazz Band <input type="checkbox"/> Drama <input type="checkbox"/> Intro to Engineering <input type="checkbox"/> DD/Multimedia Prod. <input type="checkbox"/> Manufacturing 1: Woods & Metals <input type="checkbox"/> Leadership <input type="checkbox"/> Interior/Fashion Design <input type="checkbox"/> PPR Substitution _____	<input type="checkbox"/> Windborne Choir <input type="checkbox"/> Band <input type="checkbox"/> Jazz Band <input type="checkbox"/> Drama <input type="checkbox"/> Intro to Engineering <input type="checkbox"/> DD/Multimedia Prod. <input type="checkbox"/> Manufacturing 1: Woods & Metals <input type="checkbox"/> Yearbook <input type="checkbox"/> Leadership <input type="checkbox"/> PPR Substitution _____	<input type="checkbox"/> Windborne Choir <input type="checkbox"/> Band <input type="checkbox"/> Jazz Band <input type="checkbox"/> Drama <input type="checkbox"/> Intro to Engineering <input type="checkbox"/> DD/Multimedia Prod. <input type="checkbox"/> Manufacturing 1: Woods & Metals <input type="checkbox"/> Yearbook <input type="checkbox"/> Leadership	<input type="checkbox"/> Windborne Choir <input type="checkbox"/> Band <input type="checkbox"/> Jazz Band <input type="checkbox"/> Drama <input type="checkbox"/> Intro to Engineering <input type="checkbox"/> DD/Multimedia Prod. <input type="checkbox"/> Manufacturing Woods & Metals <input type="checkbox"/> Yearbook <input type="checkbox"/> Leadership <input type="checkbox"/> PPR Substitution _____
World Language (2 credits or 2 PPR credits)	<input type="checkbox"/> Spanish I <input type="checkbox"/> Spanish II <input type="checkbox"/> French I <input type="checkbox"/> _____ (PPR)	<input type="checkbox"/> Spanish I <input type="checkbox"/> Spanish II <input type="checkbox"/> French II <input type="checkbox"/> _____ (PPR)	<input type="checkbox"/> Spanish I <input type="checkbox"/> Spanish II <input type="checkbox"/> French I <input type="checkbox"/> _____ (PPR)	<input type="checkbox"/> Spanish II <input type="checkbox"/> French II <input type="checkbox"/> _____ (PPR)
Electives (2.75 credits)	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
CCR/SLCs	<input type="checkbox"/> CCR/SLC (required)	<input type="checkbox"/> CCR/SLC (required)	<input type="checkbox"/> CCR/SLC (required)	<input type="checkbox"/> CCR/SLC (required)