

MTHS Course Catalog All Grades

English

Freshman English 1 & 2	Freshman English is a yearlong course incorporating literature, composition, and communication. Literature units include the study of a novel, short stories, poetry and plays. Literary analysis and critical thinking will be emphasized.
Sophomore English 1 & 2	This course will allow students to develop, practice critical and creative thinking skills through a research process. students will understand principles of discipline specific research methods
Junior English 1 & 2	This is a literature-based course that emphasizes the formal writing process. Writing requirements will include a variety of essays, including compositions on comparison/contrast, literary techniques, devices, and character analysis.
AP Research	Build on what you learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, you will design, plan, and conduct a year-long research based investigation to address a research question.
AP Language/Composition 1 & 2	The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes.
Bridge to College Lang Arts 1 & 2	Designed for seniors who require alternate pathway to meeting ELA proficiency on the WA State Learning Standards. It prepares students for entrance into college level ELA courses. The course address key learning standards essential for college & career.
Senior English 1 & 2	Senior English Survey is a literature-based course, with a focus on British and/or World Literature. A review and expansion of writing skills will be a major focus of the course. Skills of literary analysis are further developed and practiced.
AP Literature/Comp 1 & 2	The AP course in Literature and Composition should engage students in the careful reading and critical analysis of imaginative literature. This course includes the in-depth reading of works of recognized literary merit, from several genres and periods.

Math

Algebra 1 & 2	Topics will include review of operations on rational numbers, proportionality, solving linear equations, basic operations on polynomials, and properties of exponents. Supplemental activities and problems will be assigned.
Geometry 1 & 2	Topics will include the use of logic in establishing proofs concerned with relationships involving points and lines in two- and three-dimensional space. Also basic postulates, parallel and perpendicular lines, construction. Also similarity, right triangle
Modeling the World w/ Math	Designed for students who have passed HS Geometry but would benefit from support prior to Algebra 3-4. Course has 5 units of study that allow students to model with math. Must pass HS Geometry.
Algebra 3 & 4/Trig	Topics include a review of linear and quadratic relationships, equation-solving algorithms and functions, and an introduction of matrix algebra. Students intending to go to college should complete at least through Algebra 4/Trig or Integrated Math 3B.
Pre-Calculus 1 & 2	This course contains subject matter in the calculus preparatory sequence designed to bridge the gap from geometry to calculus. Topics introduced in second year algebra will be expanded upon.
Statistics 1 & 2	Statistics acquaints students with the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will frequently work on projects involving the hands-on gathering and analysis of real world data. Pre-Req: Alg ¾ or Pre-Calc
AP Calculus AB 1 & AB 2	This is the first of a series in AP calculus, designed to prepare for the AP Calculus AB Exam. Topics: limits and their evaluation, differentiation applied to graphs, related rates, and maximum/minimum. Then to derivatives and integrals. Pre-Req: Pre-Calc
Financial Algebra 1 & 2	This class meets the third year requirement. Financial Algebra includes the decision making process, financial aspects of career planning, financial management, income analysis, budgeting techniques, savings and investment strategies. Pre-Req: Successful completion of Algebra ½ and Geo and attempted Algebra ¾

Science

Biology 1 & 2	Students explore disciplinary core ideas; Ecosystems, Interactions, Energy & Dynamics, History of Earth's Atmosphere, Photosynthesis, Respiration & Evidence of Evolution. Inheritance & Variation of Traits, Structure, Function, Growth & Ecosystem Stability.
Chemistry 1 & 2	Chemistry is the study of the composition, structure, properties, and reactions of matter (especially of atomic and molecular systems). In this course students will discover how elements, components, and compounds react to form other compounds.
Physics 1 & 2	Physics is an investigation of motion, forces and equilibrium, and heat using measurement and mathematics. Principles are tested with lab activities and projects.
AP Biology 1 & 2	This class is a one-year advanced placement biology course taught to seniors. This college level class uses college level textbooks and is intended for the serious biology student who is able and willing to work independently.
AP Chemistry 1 & 2	This class is a one-year advanced placement chemistry course. This is a more in-depth study of chemistry using math and computer skills. Students study a variety of topics including chemical names and formulas, stoichiometry, etc.
AP Physics 2-1	This college-level course is a continuation of AP Physics 1. Students study electricity and magnetism including electrostatics, electric circuits, capacitance, magneto statics, and electromagnetism. Integral and differential calculus are tools used.
AP Environ Science 1 & 2 Block	Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. You'll take part in laboratory investigations and field work.

Social Studies

AP Human Geography	This course will focus on the inter-relationship between physical/climate, geographic characteristics of the earth and the political, economic, and social /cultural manifestations of human beings living in groups.
World History 1 & 2	The World History course presents a study of selected events, individuals, groups, institutions, ideas, etc., dealing with the great civilizations in the history of the world. Special emphasis will be placed on the social, cultural, economic, and politic
AP World History 1 & 2	AP World History is a course designed for college-bound students who wish to get a jump start on their college education by challenging themselves in high school and potentially earning college credit or advanced placement in college.
US History 1 & 2	This required course is a one-semester survey of American history from exploration to the 20th century. This course will include pre-colonial background, the colonial society, the westward movement, the Civil War and reconstruction, America's role
AP US History 1 & 2	This is a challenging college-level course offering a deeper study of US History 1. Skills emphasis is placed on reading, essay writing and on the development of advanced analytical and critical thinking. College credit in History may be earned.

Art

Art 1	This semester class is designed for all students who wish to learn more about visual arts. Through art history, aesthetics, criticism, and primarily studio work, students will gain an understanding of the importance of art in our lives.
Art 2	This semester class reinforces and expands on the skills learned in Art 1. Students will develop various techniques used in drawing and painting projects (grid enlargements, dry brush and wash applications, line quality, and texturing). This class has a supply fee for all consumables used throughout the semester
Ceramics/Tile 1	This course serves as an introduction to the materials, tools, skills, techniques, and products associated with ceramics and tile. Students learn how to design three dimensionally, using the most basic and ancient material, clay. This class has a supply fee for all consumables used throughout the semester

Ceramics/Tile 2	In this technical ceramics class, the student will learn the materials, tools, skills, techniques, and products associated with ceramics and tile. This course focuses on the technical aspects of working with clay. This class has a supply fee for all consumables used throughout the semester
Drawing 1	This course will help students use observational skills to express their perception of the world. The focus will be on individual development of style and drawing skills as students communicate effectively to an audience. This class has a supply fee for all consumables used throughout the semester
Drawing 2	The focus of this class is on individual development of the student's style and drawing skills as they meet the expectations of an audience. Students will demonstrate competency in drawing techniques through a variety of media. This class has a supply fee for all consumables used throughout the semester
Painting 1	This class will help students develop technical skills and discover a personal style as they communicate effectively to an audience. Students will experience a variety of painting techniques and styles through class assignments. This class has a supply fee for all consumables used throughout the semester
Painting 2	This class will help students refine technical skills and discover a personal style as they solve design challenges. Students will use a variety of painting techniques and demonstrate their knowledge of color and composition. This class has a supply fee for all consumables used throughout the semester
AP 2D Design	Explore and develop your artist style through experimentation in any medium. Year long class with a two part portfolio is submitted to college board at the end of the year (sustained investigation and selected works) as AP exam. For sophomores, juniors, and seniors only. This class has a supply fee for all consumables used throughout the year

Music/Performing Art

Beginning Guitar	This course introduces beginning guitar skills and techniques including tuning, picking, and strumming chords. Guitars and materials are supplied.
Chamber Orchestra	Expectations for students entering this applied music class include performing with a refined sense of tone, balance, and blend while playing in complex time signatures and keys.
Cadet Band	Expectations for students entering this applied music class include being able to read music and being able to play his/her instrument on band literature of Grade II Plus. Participation in all performances including concerts, marching band, and pep band.
Concert Band	Expectations for students entering this applied music class include being able to produce a mature tone on the instrument as well as being able to successfully read and perform music in complex time signatures and keys.
Percussion Technique	Students will receive instruction on the fundamentals of playing an instrument. Emphasis is placed on memorization of the 12 major scales, chromatic scale, rudiments, proper tone production and tuning, sight-reading skills, and rhythmic concepts.
Jazz Band	Jazz band is a select group designed for advanced players and students who want to expand their knowledge and experience in the jazz medium. Specific concepts to be addressed include improvisation, jazz history, and playing in a swing style.
Chorus 9-10	This choir is open to the advanced freshman and sophomore singer. This class emphasizes music reading skills and vocal production as well as blend and balance within a mixed ensemble. Attendance at concerts is mandatory.
Mixed Chorus	This choir emphasizes music reading skills and vocal production as well as blend and balance within a mixed ensemble. Literature will be performed in four-part harmony and may be sung in languages other than English. Attendance at concerts is mandatory.

Concert Choir	Students must audition to become a member of this group. Concert Choir is an advanced singing group including students who are able to demonstrate their ability to sight-read; use correct posture, breath support, and vowel placement.
Studio Choir	Students must audition to become a member of this group. Studio choir is a small, advanced ensemble. The group sings a varied repertoire with an emphasis on a cappella singing. Attendance at concerts is mandatory. Uniform purchase is required.
Drama 1	This course is dedicated to exploration of character and play appreciation including intercultural approaches to theater. Students will learn the basics of character development by participating in scenes, monologs, duos, and improvisational exercises.
Music History	This course is for students interested in learning about the development of music from primitive to contemporary. The course will examine the period and style of pivotal works of music throughout history.

PE/Health

INTRO TO P.E. (9th)	This course will focus on the Five for Life Program, with emphasis on the four components of fitness (cardio-respiratory, muscular endurance, muscular strength, and flexibility) which are measured by pre- and post TPS fitness testing, while the FITT Principle and Fitness Plan are emphasized. Team and individual sports will also be included as physical conditioning and wellness knowledge are incorporated daily.
Aerobic/Dance Conditioning	This course is designed to motivate students to become physically active and fit, while enjoying a variety of movement activities involving low and high impact aerobics, cycling, dance, meditation, resistance bands, muscular strength, muscular endurance, flexibility, and cardio-vascular development. Lifetime wellness through fitness, and healthy choices will be the primary focus. The FITT Principle and Fitness Plan will be emphasized
Body Conditioning - Beginning	This course will give students the opportunity to learn appropriate lifting technique with free weights, plate loaded, and pin operated Cybex machines. A large variety of strength, cardio-vascular, and flexibility activities are incorporated focusing on the FITT Principle and the development of a Fitness Plan.
WALKING (FIT FOR LIFE)	This course will focus on the many healthful benefits of active daily walking. Students will be required to walk daily, keep a journal, and be encouraged to push themselves to raise their exercise heart rates while doing so. The FITT Principle and Fitness Plan are emphasized.
Individual/Team Sports	The course focuses on skill development of individual and team sports. Sportsmanship, active participation, and the connection of good health through activity will be a daily focus. Net, court, and field sports will all be equally covered, while the FITT Principle and Fitness Plan are emphasized.
Lifeguard Training	This nationally accredited course is designed for students that want to earn their National Red Cross certification as a Lifeguard. Swimming skills/stroke development, life-saving water rescue skills, CPR, and First Aid will be heavily focused on throughout the course. Students will be required to swim 500 yds., and be at least 15 years old by the end of the term. Time is spent in the pool and the classroom learning proper technique and applicable course material. In addition, there will be two required National Red Cross examinations with 80% plus required on each to earn certification.
Swimming & Water Sports	This course offers exposure to a wide variety of water sports. In addition, swimming skills/stroke development and conditioning are emphasized throughout the course while following the Red Cross Learn to Swim program (swim lessons by ability). The FITT Principle and Fitness Plan are emphasized daily as students' progress incrementally to longer weekly timed swims.
BIGGER, FASTER, STRONGER (ADV. WTS)	This course is a nationally accredited program focusing on strength, speed, and plyometric (jumping) development aligned with State Standards for Physical Education. The students lift 6 core strength training lifts weekly charting their progress, do two intense plyometric and sprint workouts each week, work on flexibility daily, and complete a variety of assessments measuring their progress. The FITT Principle and Fitness Plan are emphasized

World Language

Korean 1 & 2	This beginning course will focus on communication skills as well as on the Korean culture, and will emphasize reading, writing, speaking, and listening skills.
Korean 3 & 4	This course is the continuation of the Korean language and culture study. Emphasis will be on reading, writing, speaking, listening, and understanding the language and people, with a cross cultural perspective.
Korean 5 & 6	This course is the continuation of the Korean language and culture study. Emphasis will be on reading, writing, speaking, listening, and understanding the language and people, with a cross cultural perspective.
Spanish 1 & 2	Spanish 1 through 6 make up the first six semesters of the regular Spanish program. All four skills of speaking, listening, reading and writing are employed as they are used today throughout the Spanish speaking world.
Spanish 3 & 4	Spanish 1 through 6 make up the first six semesters of the regular Spanish program. All four skills of speaking, listening, reading and writing are employed as they are used today throughout the Spanish speaking world.
Spanish 5 & 6	Spanish 1 through 6 make up the first six semesters of the regular Spanish program. All four skills of speaking, listening, reading and writing are employed as they are used today throughout the Spanish speaking world.
Spanish 7 & 8	Beginning Spanish for native Spanish speakers
Spanish 9 & 10	2nd year Spanish for native Spanish speakers
AP Spanish A & B	This course will give students wishing to challenge AP tests appropriate skills in listening, reading, writing and speaking. Students will have the opportunity to practice advanced writing skills appropriate to a college level class.
American Sign Language 1 & 2	Learn the basic concepts of American Sign Language (ASL) as you explore the career of sign language interpreter. Focus on understanding deaf culture through videos, guest speakers etc.
American Sign Language 3 & 4	Continue to develop skills in American Sign Language (ASL) as you explore the career of sign language interpreter. Focus on understanding deaf culture through videos, guest speakers, and activities with deaf students. Pre-requisite: Successful completion of ASL 1/2

Electives/Leadership

Teach 253	Partnership with TPS and PLU to support students who want to become teachers. Fundamentals of teaching & learning, working with elementary students and teachers, teamwork, mentoring, communications, classroom management.
Army Leadership Education 1	This is a yearlong course that teaches citizenship, techniques of communication, an introduction to military history, and leadership. The class will also include drill and ceremony, physical fitness, and map reading.
Army Leadership Education 2	This is a continuation course of JROTC year one. Delve deeper into the world of Army ROTC by training and participating in community events, presentations, competitions and ceremonies.
ARMY ROTC Drill and Ceremonies	Participate in Army JROTC Drill team competitions and ceremonies. Required to be on the JROTC Drill Team. (Counts as an Art credit)
AVID 3 & 4	The 10th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success.
Student Council 1 & 2	Student Council is composed of elected and appointed representatives from the student body as determined by the Associated Student Body (ASB) Constitution. Students oversee all ASB income and expenses.

CTE Pathways

Allied Health	Course requires collaborating, thinking, and use of problem-solving skills to address issues around image, family communication and relationships, and initial exploration of Healthcare Careers.
AP Comp Science	This course builds on knowledge learned in Exploring Computer Science and IT Fundamentals. The focus of this course is learning how the internet works, designing programs, and troubleshooting common issues within Computer Science. *Pre Req = IT Fundamentals
Auto Maintenance 1 & 2	Do you own a car now or hope to have one in the future? Take this class to learn the ins and outs of responsible auto ownership. Find out how to choose a vehicle, provide routine maintenance, troubleshoot, and perform basic repairs. Pre-requisite of Automotive Pathway
Auto Technology Adv 1 & 2	This course is aligned with NATEF standards 1-8 and focuses on brakes, electrical/electronics, engine performance, suspension and steering, as well as, transmission/transaxles, engine repair, heating and air conditioning and manual drive trains. Pre-requisite: Auto Maintenance & Auto Tech
Auto Technology Adv 3 & 4	This course is aligned with NATEF standards 1-8 and focuses on brakes, electrical/electronics, engine performance, suspension and steering, as well as, transmission/transaxles, engine repair, heating and air conditioning and manual drive trains. Pre-requisite: Auto Maintenance & Auto Tech
Automotive Service Work EXP 1	A learning experience in which the student has completed or is enrolled in a Career and Technical Education class at school and works in a related occupation. Students will learn how to maintain employment, be successful on the job, and plan for a career. Pre-requisite: Auto Maintenance, Auto Tech, & Adv Auto
Automotive Technology 1 & 2	Learn about automotive systems and skills required for auto maintenance through diagnosis and repair. This class emphasizes the proper and safe use of automotive equipment and materials. This is a yearlong class. Pre-requisite- Auto Maintenance 1/2
Construction Trades 1 & 2	This Construction Trades program provides a rigorous experience for students with interest in the construction industry. Successful completers of this program will be considered for entry to post-secondary training programs.
Construction Trades 3 & 4	This Construction Trades program provides a rigorous experience for students with interest in the construction industry. Successful completers of this program will be considered for entry to post-secondary training programs. Pre-requisite: Construction Trades 1 & 2
Pre-Engineering/Design	This course introduces students to careers in engineering, architecture, or manufacturing. Students will study the fundamental principles of design technology. They will learn to use basic drawing equipment and make common types of drawings.
Exploring Computer Science	Introductory computer course focusing on coding, website design, data processing, and physical computing. This is an entry level course required to move on to more rigorous Computer Science courses.
Exploring Technologies	auto, construction trades, computer science and culinary
Intro to Internship- Next Move	Students will gain the skills to navigate the entire employment application process. Topics covered range from career selection, resume writing, interviewing, job readiness, professional communication and overall success in the workplace. pre rec HCA cohort (Allied Health, Intro to Healthcare and Medical Careers 1 and 2)
Intro to Photography	Students will learn the fundamentals of photography through hands on assignments with school provided cameras and technology. You will also explore elements and principles of design as they apply to photography.
IT Fundamentals	This course expands on foundational topics and skills from Exploring Computer Science. The focus of this course is around hardware familiarity, understanding the structure of the computer, and earning a Nationally Recognized Industry Certification. *Pre Req = Wheel OR Exploring Comp Sci
Medical Careers 1 & 2	Students will continue exploration of the healthcare field by examining main tasks of medical professionals, treatment systems, and how individual careers fit into the larger medical system. This course includes individual research, group projects, field trips, and digital mentorship through local partnership hospitals. Required to enter the Healthcare Careers Academy

Microsoft Academy 1 & 2	Learn the core competencies for Word & Excel, which are necessary to earn the core Microsoft Office Specialist Certification. Basic to intermediate activities in word processing & spreadsheets, as well as software integration skills.
Intermediate Photography	Intermediate Photography students will learn to record events and people via digital, still and video photography; communicate ideas and information to an audience; and develop an aesthetic vision. Pre-requisite: Intro to Photography
Pro-Start 1 & 2	This course is designed for both the beginner and the intermediate-level cooking student. The focus is on understanding basic concepts of food preparation such as safety and sanitation, organization and time management, reading and interpreting a recipe. Pre-requisite: Wheel (Exploring Tech)
Pro-Start 3 & 4	This course is designed for both the beginner and the intermediate-level cooking student. The focus is on understanding basic concepts of food preparation such as safety and sanitation, organization and time management, reading and interpreting a recipe. Pre-requisite: Prostart Food Service 1 & 2
Teach 253	Partnership with TPS and PLU to support students who want to become teachers. Fundamentals of teaching & learning, working with elementary students and teachers, teamwork, mentoring, communications, classroom management.
TV Productions/Broadcasting Foundations	Students will learn and execute a variety of video production roles resulting in successful publication of MTTV, Mount Tahoma's daily morning show.
Yearbook	This course focuses on the process of managing the creation, publication, and distribution of print and electronic books and other text products and prepares individuals to manage the editorial, technical, and business aspects of publishing operations.