

## MTHS Course Catalog Class of 2025

### English

Freshman English 1	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.
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### Math

Algebra 1	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	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
Algebra 2	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 2

### Science

Biology	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.
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### 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.
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### 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. Art 1 is a prerequisite for this class.
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. Art 1 is a prerequisite for this class.
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. Art 1 is a prerequisite for this class.

### 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.
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.
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.
Song Writing	This introductory course gives instruction in the basics of popular songwriting. Through the exploration of various styles of music, students will learn about song forms, lyric styles, meter, and chord theory.

### 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.
Health	This required course is organized into 5 major areas of study. Life's Losses investigates the physical, mental, & social processes of aging & the learning to cope with life, death, & the grieving process. Fulfills graduation requirement for Health

### World Language

Korean 1	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 2	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 3	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	This course is an introduction course and lays the basic groundwork of the language. Students will primarily focus on list of words and simple phrases, asking and answering memorized phrases and learning to create some with the language.
Spanish 2	This course is a continuation of the first -year course. Students will primarily focus on creating with the language in full sentences and paragraphs and build on emerging reading skills. Prerequisite: Spanish 1
Spanish 3	This course is a continuation of the second -year course. Students will focus on improving their fluency and proficiency in the language in all modes of communication and on a variety of topics. Prerequisite: Spanish 2
American Sign Language 1	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 2	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

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.
AVID 1	The 9th 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.

### CTE Pathways

Automotive 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.
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.
Pre-Engineering Technologies 1A/1B	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.
Allied Health & Intro. to Healthcare	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.
Nutrition & Wellness	This course is designed for both the beginner & the intermediate-level cooking student. The focus is on understanding basic concepts of food preparation such as safety & sanitation, organization & time management, reading & interpreting a recipe, & more.
Human Development	Do you like working with people? Do you have an interest in a career in teaching or social services? In this class you will learn more about the stages of human development from pregnancy to childbirth, parenting, and aging. You will also create activities to support children's development and the needs of aging adults. In this class you may earn your Basic Child Care Provider Training Certification (STARS) which is needed to work in most child care settings.
Nutrition & Wellness	This course is designed for both the beginner & the intermediate-level cooking student. The focus is on understanding basic concepts of food preparation such as safety & sanitation, organization & time management, reading & interpreting a recipe, & more.