

Upper School
Summer Course Catalog
2024-2025

M

MEADOWS

Contents

SUMMER COURSES	2
Bridge to Algebra	2
Algebra Review	2
Geometry (Honors)	2
Trigonometry (Honors)	3
Precalculus AB (Honors)	3
Introduction to Economics and Personal Finance (Honors)	3
Secondary Health	3
Writing for Success	4
Summer Term GOA Courses for Elective Credit	5

Summer Courses

Bridge to Algebra

This course is an opportunity for students in Math 7 to get back on the accelerated track that would conclude with Algebra 8. It also provides additional instruction to help those students that have below-level SSAT scores or are enrolled in Pre-Algebra by reinforcing Pre-Algebra/Math 7 topics. Through Algebra, students will be engaged in developing a strong foundational understanding of mathematical relationships and functions. Upon completion of this course, students will be prepared for Algebra 1 during freshman year. The course builds skills for use in future courses, standardized testing, and real life. During this course, students will be introduced to: variables, exponents, and expressions, operations with real numbers, exponent properties, functions, linear equations and inequalities, systems of equations and inequalities, and problem solving and logical reasoning.

Instructor: TBD

Open to grade level: Rising 9

Dates: June 3 to June 24 and July 8 to July 26

Times: 9:00 a.m. to 12:00 p.m.

Credits awarded: None

Prerequisite: None

Days: Monday-Friday

Location: TBD

Algebra Review

The purpose of this course will be to provide a second semester algebra skill review for students entering H Algebra II or H Algebra II/Trigonometry. Topics will include a combination, but not necessarily all, of the following: (1) properties of exponents, (2) factoring polynomials, (3) Techniques for solving quadratic equations, (4) graphing quadratic functions, (5) operations with radicals, and (6) operations with rational expressions.

Instructor: Ms. Price

Open to grade level: Rising 9-10

Dates: July 29 to August 2

Times: 9:00 a.m. to 12:00 p.m.

Credits awarded: None

Prerequisite: H Algebra I or H Geometry

Days: Monday-Friday

Location: TBD

Geometry (Honors)

This course provides an opportunity for students who took Algebra I (Honors) as freshmen to be able to enroll in Algebra II (Honors) or Algebra II/Trigonometry (Honors) during their sophomore year. Students will study this logical mathematical system through a rigorous, deductive development of Euclidean geometry. Topics include: congruence/similarity, series of rigid transformations/constructions, proofs/logic, relationships in triangles, congruence and similarity, right triangles and trigonometry, quadrilaterals, circles and angles, three-dimensional measurement, and coordinate geometry in 2 and 3 dimensions.

Instructor: Ms. Paine and TBD

Open to grade level: Rising 10

Dates: June 3 to June 24 and July 8 to July 26

Times: 9:00 a.m. to 2:00 p.m. with snack and lunch breaks

Credits awarded: 1.0

Prerequisite: H Algebra I

Days: Monday-Friday

Location: TBD

Trigonometry (Honors)

Trigonometric and circular functions and their inverses are studied. This includes applications, graphs, identities, and equations.

Instructor: TBD

Open to grade level: Rising 10-11

Dates: June 3 to June 24

Times: 9:00 a.m. to 12:00 p.m.

Credits awarded: 0.5

Prerequisite: H Algebra II

Days: Monday-Friday

Location: TBD

Precalculus AB (Honors)

This course is designed for students with a strong, advanced Algebra background in preparation for college-level Calculus. In addition to a thorough review of Algebra II/Trigonometry topics, polar coordinates, vectors, linear programming, parametric equations, translation and rotation of graphs, exponential functions, matrix algebra, probability, and limits are studied. Students may not miss more than two classes during the June semester or July semester to receive a passing grade. Students must register for both semesters in order to participate.

Instructor: Session 1 - Mr. Vollan; Session 2 - Mr. Swiecionis

Credits awarded: 1.0

Open to grade level: Rising 10-12

Prerequisite: H Algebra II/Trig or H College Algebra with Trigonometry and Department Chair permission

Dates: Session 1 - June 3 to June 24; Session 2 - July 8-July 26

Days: Monday-Friday

Times: 9:00 a.m. to 12:00 p.m.

Location: TBD

Introduction to Economics and Personal Finance (Honors)

This summer session three-week course in economics and personal finance meets the new Nevada state requirements for graduation and must be taken before graduation. The course will briefly introduce the essentials of both micro and macroeconomics before engaging with the topic of personal finance. Educational modalities consist of a balance of teacher and student-centered learning and include: reading, lecture, packets, data analysis, discussion, debate, and student presentation.

Instructor: TBD

Credits awarded: 0.5

Open to grade level: Rising 10-12

Prerequisite: None

Dates: June 24 to July 12

Days: Monday-Friday

Times: 8:30 a.m. to 11:30 a.m. or 12:00 p.m. to 3:00 p.m.

Location: TBD

You will be assigned either a Morning or Afternoon session; not both.

Secondary Health

This course will satisfy the Nevada requirement in Health education in high school. The identified standards and supporting concepts, skills, and experiences are designed to enable students to understand the intricate relationships between the structural and physiological functions required for mental, physical, social, and emotional wellness. Students will learn life-long skills including communication, decision-making, and goal setting to enhance overall health and well-being. This course will take the fundamental recommendations for maintaining wellness while addressing decision-making, problem-solving, and planning skills that are more relevant to young adults, particularly regarding the nature of addiction and reproductive health.

Instructor: Ms. Conrad

Credits awarded: 0.5

Open to grade level: Rising 10-12

Prerequisite: None

Dates: June 24 to July 13

Days: Monday-Friday

Times: 8:30 a.m. to 11:30 a.m. or 12:00 p.m. to 3:00 p.m.

Location: MS 232

You will be assigned either a Morning or Afternoon session; not both.

Writing for Success

This online, individualized writing workshop expands and reinforces composition skills to help students find success with Upper School writing assessments. This course explores different types of writing in a fun and entertaining way intended to engage student curiosity and critical thinking. Using topics that capture teenagers' enthusiasm for the growing world of digital and social media, this course reveals strategies and practices to strengthen writing in all subjects. In addition to building skills for the type of writing done in Upper School, students will develop their academic voices by contributing to targeted discussions each week. All course work is done asynchronously online through the Canvas learning system that is used in the Upper School, so students do not need to be logged in at a specific time of day to move through the curriculum or turn in assignments, although there will be daily deadlines. Toward the end of summer, and as we get close to starting the school year, Mr. DeVito will be available for individualized guidance as students work on the writing assignment that accompanies English summer reading. Rising 10 graders can also take this workshop with an adjusted curriculum to help reinforce skills learned in 9th grade.

Instructor: Mr. DeVito

Open to grade level: Rising 9-10

Dates: July 15 to August 2

Times: 9:00 a.m. to 12:00 p.m.

Credits awarded: None

Prerequisite: None

Days: Monday-Friday

Location: TBD

The first class will be in-person at TMS, then all remaining classes will take place online.

Summer Term GOA Courses for Elective Credit

Offering some of GOAs most popular semester courses in an intensive seven-week format for all high school students. Accredited by the New England Association of Schools and Colleges and by the Western Association of Schools and Colleges, GOA provides an official transcript after course completion, which may be eligible for school credit at TMS.

Most of these summer courses cover a semester's worth of material and expect a 10-12 hour per week commitment from students:

Abnormal Psychology	Architecture
Business Problem Solving	College Essay Workshop
Computer Science I: Computational Thinking	Computer Science II: Analyzing Data with Python
Computer Science II: Game Design & Development	Computer Science II: Java
Creative Nonfiction Writing	Cybersecurity
Digital Photography	Fiction Writing
Genocide & Human Rights	International Relations
Introduction to Artificial Intelligence	Introduction to Branding & Marketing
Introduction to Legal Thinking	Introduction to Psychology
Investing I	Medical Problem Solving I
Personal Finance	Problem Solving with Engineering & Design

Instructor: Varies

Open to grade level: Rising 10-12

Dates: Varies

Times: Asynchronous

Credits awarded: TBD

Prerequisite: None

Days: Varies

Location: Online

GOA courses are primarily asynchronous, meaning that students do not need to attend pre-determined class meeting times. Instead, teachers design and publish coursework and calendars, and students can, within that framework, work on their schedules. Students can expect at least one video call per week with their teachers or classmates, but there will not be moments in the course when the entire section gathers on a video call. The teacher will go over that schedule during orientation for the course. We encourage students to advocate for themselves at that time by communicating with their teachers and peers about schedules and time zones, especially during occasional small group projects. Students should be able to log in to Canvas regularly, but they will not be expected to log in at specific times of day.

The cost of GOA summer courses is \$800 per enrollment.

M

MEADOWS

8601 Scholar Lane
Las Vegas, Nevada 89128
702-254-1610
www.themeadowsschool.org