



2023
TWO WEEK
ON-CAMPUS PROGRAM

ANDOVER ADVANTAGE PROGRAM OVERVIEW

Program Selection:

Our Andover Summer *Advantage* program is designed for students entering grades 7-12, with offerings specific to middle school (entering grades 7-8), high school transition (entering grade 9), and upper school (entering grades 10-12). Classes meet for two weeks, Monday through Friday, from July 31 - August 11, 2023. Each class is 90 minutes long and is focused on closing any gaps that have widened because of “summer melt” and propelling students forward so that they can begin the academic year with their skills solidified and primed for success. Enrollment begins January 5, 2023 and remains open until classes are full.

Course Selection:

Upon completion of all required enrollment forms, students and parents will have the opportunity to select their courses through the Andover Summer Advantage course registration form. All students have the option to select one or two classes.

When selecting courses, students have the option to enroll in a course that meets during Period 1 and/or a class that meets during Period 2. Timing of course availability is detailed in the catalog that follows.

In the pages that follow you will find the full range of possible Advantage courses that are currently being offered for the summer of 2023. Please note that final course offerings are dependent upon enrollment and staffing, and courses with insufficient enrollment may be cancelled at any point prior to the start of the summer. Students enrolled in a course that is being cancelled will be notified and given the opportunity to enroll in an alternate course, based on what remains available at that time. Course enrollment is a first-come, first-served process, with our most popular courses and programs typically filling up in May each year. Additionally, changing public health conditions may require us to adjust our program schedule or course offerings, of which we will notify enrolled families via email and through our website.



DAILY SCHEDULE

Andover Advantage Weekly Class Schedule

MONDAY – FRIDAY 7/31/23 – 8/11/23	
Period 1	8:30 a.m. - 10:00 a.m.
Break	10:00 a.m. - 10:30 a.m.
Period 2	10:30 a.m. – 12:00 p.m.

COURSE OFFERINGS FOR MIDDLE SCHOOL ADVANTAGE: GRADES 7-8

7-8: Critical Reading and Writing

PERIOD 1 and PERIOD 2

Combining critical reading and analysis of texts with the construction of written responses and arguments, this course offers students the opportunity to build their active reading skills and write for an academic audience and purpose. Over the course of the program, students will practice constructing effective sentences and paragraphs to suit a variety of topics, audiences, and aims. This literacy refresher course challenges students to confront a variety of text types and encourages them to see writing as a valuable tool for conveying their own well-developed arguments, opinions, and analyses. Students will complete a baseline assessment prior to the start of the program, in order to ensure instruction can be best targeted to current strengths and areas of need.

7-8: Math Acceleration (Topics in Algebra)

PERIOD 2

This course reviews and reinforces math skills found in the pre-algebra and Algebra I curriculum, in order to ensure students enter the Algebra I course with a solid set of underlying skills and exposure to course content. Students will review important prerequisite concepts such as arithmetic with fractions, decimals, percents, negative numbers, and integer exponents, and based on their proficiency, will move on to algebraic concepts such as variables and expressions, ratios and proportions, and graphing. Students will complete a baseline assessment prior to the start of the program, in order to ensure instruction can be best targeted to current strengths and areas of need.

COURSE OFFERINGS FOR 9th GRADE ADVANTAGE: ENTERING HIGH SCHOOL

9: Academic Writing

PERIOD 1

This course emphasizes essay composition as a craft and exposes students to different uses and combinations of rhetorical modes, including definition, description, narration, process, comparison, and analysis. Over the course of the program, students will practice constructing effective sentences and paragraphs to suit a variety of topics, audiences, and aims. By writing every day as well as reading and discussing the style and mechanics of published essays, students experience writing as a rewardingly rigorous, recursive, and creative process that involves brainstorming, planning, composing, editing, reverse outlining, and constructive peer review. Students will complete a baseline assessment prior to the start of the program, in order to ensure instruction can be best targeted to current strengths and areas of need.

9: Critical Reading and Writing

PERIOD 2

This course focuses on students' abilities to read and interpret short stories and essays using close reading and annotation skills, working with both fiction and nonfiction material, with emphasis on the skills needed for successful transition into high school. Students will make inferences, analyze text structure, create, and evaluate arguments, and provide textual evidence to support their own assertions. Through a variety of written and visual texts students will practice taking on different points of view, summarizing details, and comparing authors, while studying some common texts usually included in 9th grade English classes. Coursework will encourage students to see themselves as independent thinkers and teaches them how to give voice to their thoughts through the written word in response to the texts they read. Students will complete a baseline assessment prior to the start of the program in order to ensure instruction can be best targeted to current strengths and areas of need.

9: Math Acceleration (Topics in Algebra)

PERIOD 1

This course reviews and reinforces math skills found in the pre-algebra and Algebra I curriculum. It should provide a solid foundation for Algebra II and Intermediate Algebra. Topics include several fundamental concepts of Algebra, graphing and solving linear and quadratic functions, solving systems of linear equations and properties of exponents.

9: Math Acceleration (Topics in Geometry)*

PERIOD 2

For students who have had a strong elementary algebra course but no geometry, this course is a thorough study of the fundamentals of geometry. The development of logical, structured proofs and deductive reasoning is emphasized. Along with numerical solutions to problems, topics include basic postulates of geometry, lines and angles, congruent triangles, parallel lines in the plane and in space, quadrilaterals and polygons, circles, similar triangles and other figures, and the Pythagorean Theorem.

**Prerequisite: a yearlong course in elementary algebra*

COURSE OFFERINGS FOR HIGH SCHOOL ADVANTAGE: GRADES 10-12

10-12: Academic Writing

PERIOD 2

This course emphasizes essay composition as a craft and exposes students to different uses and combinations of rhetorical modes, including definition, description, narration, process, comparison, and analysis. Over the course of the program, students will practice constructing effective sentences and paragraphs to suit a variety of topics, audiences, and aims. By writing every day as well as reading and discussing the style and mechanics of published essays, students experience writing as a rewardingly rigorous, recursive, and creative process that involves brainstorming, planning, composing, editing, reverse outlining, and constructive peer review. Students will complete a baseline assessment prior to the start of the program in order to ensure instruction can be best targeted to current strengths and areas of need.

10-12: Critical Reading and Writing

PERIOD 1

This course focuses on students' abilities to read and interpret short stories and essays using close reading and annotation skills, working with both fiction and nonfiction material. Students will make inferences, analyze text structure, create, and evaluate arguments, and provide textual evidence to support their own assertions. Through a variety of written and visual texts students will practice taking on different points of view, summarizing details, and comparing authors. Coursework will encourage students to see themselves as independent thinkers and teaches them how to give voice to their thoughts through the written word in response to the texts they read. Students will complete a baseline assessment prior to the start of the program in order to ensure instruction can be best targeted to current strengths and areas of need.

10-12: Math Acceleration (Topics in Advanced Algebra/Precalculus)*

PERIOD 1

This course reviews and reinforces math skills found in the Algebra II curriculum. It should provide a solid foundation for pre-calculus. Topics include solving linear equations and inequalities and absolute value equations and inequalities. A study of linear functions will be followed by polynomials and rational expressions. An in-depth study of quadratic functions may be followed by exponential and logarithmic functions, time permitting.

**Prerequisite: successful completion of algebra I and algebra II*