

## **2022 SUMMER: COURSE CATALOG**

### **AM Camp**

#### **Critical Reading & Writing**

**Grades: 3-10**

**Course Description:** At each level, students will read, analyze, discuss, write, debate, and complete projects about a carefully selected, above-grade level novel or book. Teachers will guide the exploration of the text and bring fresh and challenging insights to class discussions. Students may attend a virtual field trip, listen to podcasts, and watch TedTalks as they sharpen their reading, thinking, and writing skills.

**Registration Notes:** It is highly encouraged for new students to complete a placement test upon registration. Students may be asked to purchase the assigned novel. Details will be shared prior to the first day of class.

#### **Algebra I Intensive**

**M/W/F 9:30am-11:30am**

**Dates: 7/05/22 - 8/19/22 (tentative)**

**Grades: Anyone going into Algebra 2 in 2022 Fall**

**Fee: TBD**

**Course Description:** Success in Algebra 1 is critical to move forward to Algebra 2 and even Calculus. This comprehensive refresher course will help students understand all of the topics within Algebra 1, including (but not limited to): linear equations, inequalities and systems, functions, exponential functions, and quadratic equations. Quizzes, tests, and interim reports will be used to help students track progress.

**Registration Notes:** Instructors may suggest that students bring a graphing calculator and notebook. All other materials including textbooks will be provided by APLUS. A diagnostic test will be provided to students upon registration. ***If interested in this course, please complete this [form](#) as we are still ironing out final details.***

#### **Math**

**Grades: 3-10**

**Course Description:** At each level and subject, students will master topics necessary to excel. Instructors will provide lessons and homework will be assigned daily. It is imperative students complete the homework in order to practice and apply concepts taught for that day. Quizzes and tests will also be implemented to help students track their progress.

**Registration Notes:** It is highly encouraged for new students to complete a placement test upon registration. Generally, instructors are able to cover at least the first semester of the math subject, giving students a preview of the upcoming school year.

### [SAT/PSAT Math & Verbal](#)

**Grades:** 7-11

**Course Description:** Our popular SAT/PSAT test preparation course during the summer provides students with an intense and rigorous learning experience. Students can expect to take a practice test the first day of class as well as towards the end of the three weeks to track progress. Our highly experienced instructors focus on both content as well as test-taking strategies to help students achieve an understanding of how standardized tests work but also achieve a high score.

**Registration Notes:** It is generally recommended that students who sign up for our SAT/PSAT prep sign up for both Math and Verbal. Consumables and other materials will be provided by APLUS. Students should expect to complete all assigned homework for an optimal learning experience. Given that the SAT test is slated to be completely digital by year 2024, our testing procedures may change. Details will be shared as we approach the start date of the course.

### **PM Camp**

#### [AMC 8: Algebra 1 and Word Problems](#)

**Dates:** 6/20/22 - 7/08/22 (Session 1 ONLY)

**Time:** 1:30 - 3:00pm

**Grades:** 6-8

**Course Description:** This course will cover the basic Algebra concepts and knowledge required in AMC8/MATHCOUNTS and also in standardized tests such as SSAT/ISEE and SAT/ACT. Students will learn linear equations, system of equations, quadratic factorization and equations, statistics, arithmetic and geometric sequence and series, percentage and proportion. The course will feature many previous AMC8/MATHCOUNTS problems, SSAT/ISEE and SAT/ACT problems as practice questions throughout the course.

**Registration Notes:** Students who have a strong Pre-Algebra background and enjoy solving mathematical challenges are encouraged to enroll for this course. Students may need to purchase a workbook for this course.

#### [AP Physics I \(NEW!\)](#)

**Grades:** 9-11

**Course Description:** This course will cover some of the major units within physics, including Kinematics and Dynamics, focusing on fundamental theories and their algebraic derivations to

give students a preview of what to expect. Students can expect to perform labs in order to understand and see the theories at work.

**Registration Notes:** Students who have a strong Algebra 1 and math background seeking a fun and engaging Physics course are encouraged to enroll for this course. ***This course is suitable for those thinking of taking Honors Physics in the Fall as well.*** Workbooks may need to be purchased for this course. Details will be provided prior to the first day of class.

### [Composition and Advanced Composition Courses](#)

**Grades: 3-9**

**Course Description:** Our composition courses help students develop writing skills that will help them throughout their academic careers. Students learn how to structure a paragraph and/or essay, build an argument and establish a line of reasoning, and write stylistically elevated paragraphs and/or essays. Students may also write in other modes, including letters, articles, and speeches.

**Registration Notes:** It is highly encouraged for new students to complete a placement test upon registration. Students may be asked to purchase any assigned reading material. Details will be shared prior to the first day of class.

### [Digital Literacy: Navigating Technology and Media in the 21st Century \(NEW!\)](#)

**Grades: 7-10**

**Course Description:** In order to successfully navigate today's digital world, it is imperative that students are equipped with the necessary reading, writing, technical, and critical thinking skills. This course is designed to help students understand the three parts of digital literacy: finding and consuming content (information literacy), creating digital content, and disseminating content. At the end of the course, students will be expected to deliver a capstone project.

**Registration Notes:** Students will need to bring their own laptops/tablets to participate in this course.

### [Film Studies](#)

**Grades: 7-11**

**Course Description:** Students will critically view film and analyze how a director creates art through camera angles, costumes, editing, sound, and lighting. They will develop visual rhetoric skills, including the ability to analyze film for form and meaning; to enhance their understanding of narrative elements.

**Registration Notes:** Students should bring a notebook or laptop to participate in this course.

### [Grammar I](#)

**Grades: 6-8**

**Course Description:** In this beginners course, students will learn the eight different parts of speech and how they function in writing. All course content is selected with an eye toward future testing scenarios where students will be expected to use these parts of speech correctly. Content delivery will be student-centered with a focus on high-interest, high-engagement activities.

**Registration Notes:** Prerequisite is Grammar I. Students may be asked to purchase some consumables and short story books. Details will be provided prior to the first day of class.

### [Grammar II](#)

**Grades: 9-11**

**Course Description:** Students will focus on the practicalities of grammar, including sentences, clauses, phrases, punctuation, and usage. Students will use multimedia presentations and writing to show mastery of content.

**Registration Notes:** Prerequisite is Grammar I. Students may be asked to purchase some consumables and short story books. Details will be provided prior to the first day of class.

### [Public Speaking I](#)

**Grades: 3-4**

**Course Description:** Students will learn the elements of effective public speaking, with an emphasis on preparation, research, organization, writing, and delivery. Students will also study effective speeches and discuss why they are/are not effective. Class will include strategies for dealing with public speaking anxiety. Discussion participation is a large component of the course.

### [Public Speaking II](#)

**Grades: 5-7**

**Course Description:** Students will continue to study the elements of effective public speaking, with a focus on delivering a variety of speeches, and critiquing those of others.

**Registration Notes:** Prerequisite is Public Speaking I.



### [Public Speaking III: Debate](#)

**Grades: 8-9**

**Course Description:** Students will learn the elements of formal debate, and how to research contemporary issues in order to construct arguments about them. Emphasis will be placed on research, argument, and public speaking. Students will also watch and critique debates online.

**Registration Notes:** Prerequisite is Public Speaking II.

### [Public Speaking IV: Debate](#)

**Grades: 10-11**

**Course Description:** In this advanced course, students will work in debate teams and compete against each other. Using current issues, students will research material and build their arguments, and they will polish their speaking skills in actual debates. Students will also critique themselves through watching recordings. Debates may be opened for families to watch.

**Registration Notes:** Prerequisite is Public Speaking III.

### [Reading and Vocabulary Courses](#)

**Grades: 4-8**

**Course Description:** In these courses, students will develop their reading comprehension skills and learn vocabulary strategies for standardized testing. Students will also read short stories and participation in discussions will be mandatory. Quizzes and tests will be incorporated as metrics.

**Registration Notes:** Students may be asked to purchase some consumables and short story books. Details will be shared prior to the first day of class.

## **Summer Evening Programs**

### [Magnet Functions \(NEW!\)](#)

**Dates: 7/25 - 8/25, M-Th**

**Times: 5:00 - 7:00pm**

**Grades: 9-10**

**Course Description:** This course was designed especially for students who plan on taking the course at Montgomery Blair and Poolesville High Schools' SMACS programs. The highly intense and challenging course covers Pre-Calculus and sets a foundation for subsequent magnet math courses. Topics include conics, polar coordinates, series and sequences, and vectors.

**Registration Notes:** If needed, textbooks (on a loan basis) and materials will be provided by APLUS. Details will be shared prior to the first day of class.

### [Pre-Calculus](#)

**Dates:** 7/25 - 8/25, M-Th

**Times:** 5:00 - 7:00pm

**Grades:** 8-10

**Course Description:** Another one of our popular evening courses, Pre-Calculus has helped students gain an understanding of critical topics such as trigonometry, complex numbers, rational functions, and more, to succeed during the academic school year.

**Registration Notes:** If needed, textbooks (on a loan basis) and materials will be provided by APLUS. Details will be shared prior to the first day of class.

### [AP Calculus BC \(NEW!\)](#)

**Dates:** 7/25 - 8/25, M-Th

**Times:** 5:00 - 7:00pm

**Grades:** 10-12

**Course Description:** By popular demand, we are offering this course to help students get ahead. The instructor will provide detailed lessons on differential and integral calculus, including reasoning and analysis. Students will be expected to complete assigned homework and participate in class discussions.

**Registration Notes:** Prerequisite is Pre-Calculus. Students may need to purchase workbooks and/or textbooks. Details will be shared prior to the first day of class.

### [SAT Prep](#)

**Dates:** 8/01 - 8/26, M/W/F

**Times:** 5:00 - 8:00pm

**Grades:** 8-11

**Course Description:** Our evening SAT Prep is primarily geared towards preparing students for the actual SAT test in late August. The combination of instructional lessons on content featured on the SAT as well as test-taking strategies and tips and 3 practice tests leave students feeling confident and knowledgeable.

**Registration Notes:** *This course is perfect for those who plan on taking the actual SAT test on 8/27.* All materials will be provided by APLUS.

**SAT Boot Camp**

**Dates: 8/15 - 8/26, Mon-Fri**

**Times: 5:00 - 8:00pm**

**Grades: 11-12**

**Course Description:** Our advanced SAT Boot Camp course is perfect for those who already have experience with the SAT and does not need comprehensive lessons. The course consists of 5 practice tests and 5 test reviews over 2 weeks. Since 2016, this course has been extremely successful in boosting students' SAT scores and has also become an excellent preparation course for juniors and seniors who plan on taking the SAT soon (within a month after completing the course).

**Registration Notes:** *This course is perfect for those who plan on taking the actual SAT test on 8/27.* All materials will be provided by APLUS.

**College App Essay Boot Camp\***

**Dates: 8/15 - 8/26, M/W/F**

**Times: 5:00 - 7:00pm**

**Grades: 11-12**

***\*most likely virtual***

**Course Description:** Primarily designed for rising seniors, our college app essay boot camp course is focused on helping students complete their Common Application and Coalition essays.

**Registration Notes:** Students will need to have their own laptop to participate in this course.

