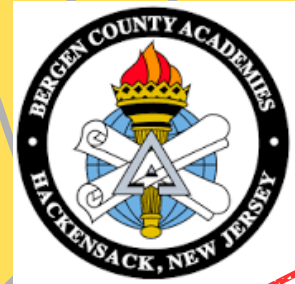




# 2024 Virtual Spring Session

Grades 6-8

Classes run March - May  
All courses run for 8 weeks  
Two 75-minute classes each week



## Courses Offered

### MathCounts Training Camp

Monday/Wednesday 5:00pm - 6:15pm

This course prepares the student to enter math competitions held at their school and to join the math team at their school or participate in the MathCounts team at their school. This course teaches advanced methods of how to solve math competition problems in probability, combinatorics, permutations, the Pythagorean theorem, computing areas, and prime numbers.

### Formal Essay Writing MLA/Research

Monday/Wednesday 4:15pm - 5:30pm

This course is designed to prepare middle school students for high-school level formal essay writing, using proper MLA formatting and good research practices. Students will be exposed to different types of formal essays such as persuasive, informative, compare/contrast essays, and research papers. They will learn MLA formatting and templates, as well as creating a proper Works Cited. Finally, students will improve their research skills and learn tips to prevent falling victim to media bias and misinformation.

Monday/ Wednesday Dates:

March 4,6,11,13,18,20,25,27 April 8,10,15,17,22,24,29 May 1

### Geometry

Tuesday/Thursday 5:00pm - 6:15pm

This course covers selected topics in advanced Geometry helping to prepare the student for further study of geometry at the high school level and introduces the student to some types of geometry problems found on the SAT exam. Topics covered are perimeter and area, parallel lines and perpendicular lines, GeoGebra geometry software, triangles, quadrilaterals, and transformations.

Tuesday/Thursday Dates:

March 5,7,12,14,19,21,26,28 April 9,11,16,18,23,25,30 May 2

### Non-Routine Problem Solving

Wednesday/Friday 4:15pm - 5:30pm

In this course students will work together in small, collaborative teams on solving problems in a variety of mathematical topics, including number theory, algebra and geometry. Students will learn how techniques such as drawing pictures/diagrams, looking for patterns, solving similar problems or working backwards can be helpful as they solve problems. Each class will cover a topic in mathematics approached from different non-routine problem solving techniques. Students' work will primarily be done collaboratively in breakout rooms, which allows the teacher to easily monitor students' work and progress. Approximately once every two weeks, students will put their skills to the test through a collaborative mathematics competition. This course aims to improve students' problem-solving abilities by tackling challenges that involve creative thinking.

Wednesday/Friday Dates:

March 6,8,13,15,20,22,27,29 April 10,12,17,19,24,26 May 1,3

**Enrollment Fee**

**\$450\* per course**

\*plus credit card fee

Please Note: After the first week of class, there is a \$150 nonrefundable fee and the remaining credit can be applied to a course in the next session if you choose not to remain in that class. After 2 weeks of class, no refunds will be issued.

## JOIN Academy After Hours TODAY!

To Register → [www.bergen.org/aah](http://www.bergen.org/aah) → Click "Register Now"



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