

# COMMUNITY COLLEGE OF ALLEGHENY COUNTY

## COMMUNITY EDUCATION

### Middle & High School Summer Math Enrichment

Learning shouldn't end when school does. CCAC's Summer Enrichment Academy can **help students get ahead**. CCAC offers a limited number of courses for middle or high school credit. Students who attend public high schools or other private schools may attend our summer enrichment academy. We create an official transcript to forward to your home school upon successful completion of the course(s). **These courses can be taken** for advancement to obtain credit for classes to accelerate the student's academic progress or to lessen the load of courses during the regular school year. Students can also audit the classes (no grade) to help strengthen their skills. If taking the course for credit please verify your enrollment with your home school counselor to ensure that your school will accept credits from CCAC.

JUNE 21, 2021 -- JULY 29, 2021  
8:00AM – 1:00PM  
(NO class on Fridays)

**REGISTER VIA PHONE:** Call CCAC at: 412-788-7546 – credit card payment required.

COURSE NO.	COURSE TITLE	DAYS	START/END TIMES	START DATE	END DATE	COST	HOURS	LOCATION
YAG-149-1450	Pre-Algebra	MTWR	8:00AM-1:00PM	6/21/21	7/29/21	\$489	120	Virtual Online Instruction
YAG-149-1451	Pre-Algebra	MTWR	8:00AM-1:00PM	6/21/21	7/29/21	\$489	120	Virtual Online Instruction
YAG-150-1450	Algebra 1	MTWR	8:00AM-1:00PM	6/21/21	7/29/21	\$489	120	Virtual Online Instruction
YAG-151-1450	Algebra 2	MTWR	8:00AM-1:00PM	6/21/21	7/29/21	\$489	120	Virtual Online Instruction
YAG-152-1450	Geometry	MTWR	8:00AM-1:00PM	6/21/21	7/29/21	\$489	120	Virtual Online Instruction
YAG-152-1451	Geometry	MTWR	8:00AM-1:00PM	6/21/21	7/29/21	\$489	120	Virtual Online Instruction
YAG-153-1450	Pre-Calculus	MTWR	8:00AM-1:00PM	6/21/21	7/29/21	\$489	120	Virtual Online Instruction

**LOCATION:** CCAC BLACKBOARD -- VIRTUAL ONLINE CLASSROOM

**ATTENDANCE IS EXTREMELY IMPORTANT.** Students enrolled in a 120-hour enrichment course can miss no more than two classes. **Missing more than two classes will result in a failing grade.** Two late arrivals of 5 minutes for class are considered one absence. More than 15 minutes late will be considered an absence. *Verify your enrollment with your home school counselor to ensure that your school will accept credits from CCAC. We cannot guarantee transfer of middle/high school enrichment credits. See course descriptions on reverse side.*

*Course descriptions on back of page.*



OUR GOAL IS YOUR SUCCESS.



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## **ALGEBRA 1**

The 120-hour enrichment course will instruct students in constructing algebraic equations and solving mathematical problems using the algebraic process starting with single variable to using multiple variables. Topics include real numbers, properties and expressions, linear equations, polynomials, factoring and graphing.

## **ALGEBRA 2**

This 120-hour advanced enrichment algebra course with primary emphasis on constructing complex algebraic equations, and solving mathematical problems using the algebraic process. Topics include linear systems and relationships; quadratic, rational, polynomial, exponential and logarithmic functions; probability and statistics; sequence and series; trigonometric concepts; and technological applications.

## **GEOMETRY**

This 120-hour enrichment course for high school students presents geometric concepts and applications, properties of two dimensional and three-dimensional figures in space, inductive and deductive reasoning, angle relationships and the Pythagorean Theorem.

## **PRE-ALGEBRA**

This 120-hour enrichment course will review the fundamentals of arithmetic operations and receive an introduction to algebraic skills. Topics include: order of operation, signed numbers, combining like terms, solving linear equations with one variable, plotting ordered pairs and graphic solutions. Student will get an introduction to probability and statistics.

## **PRE-CALCULUS**

The 120-hour enrichment course will instruct students in the history of calculus, comprehend functions continuity and intuitive ideas. Major emphasis is placed on algebraic concepts and analysis of curves, functions, and graphing techniques. Further study of Trigonometry from the circular and right triangle perspective, the analysis of conic sections and other geometric curves form a coordinate point of view will be discussed.