

Academic Prep For Grades 7-10

ALGEBRA PREP (GRADES 8-9)

Areas of study will include: expressions and equations, solving linear equations and inequalities as well as graphing solution sets, analyzing functions by observing patterns in equations, graphs, and tables, and solving systems of equations. Quadratic functions will be studied as well as their real world applications. Additional topics covered are factoring and polynomials. Graphing calculator is strongly recommended.

Tuition & fees: \$575.

NCENR-CC001-01 July 23-Aug 16
M-Th 8:30-11:30am

CREATIVE WRITING (GRADES 7-8)

This course is designed to provide a variety of creative options for middle school students: poetry, short story, personal narratives, plays, and magazine articles. Learn the steps that will take you through all the phases of the writing process from pre-writing through publishing. Participants should expect additional related assignments outside of the classroom to finish drafts, revisions, etc. Tuition & fees: \$550.

NCENR-CC002-01 July 23-Aug 16
M-Th 1-4pm

ENGLISH PREP (GRADES 7-8)

Participants will read at least three young adult fiction novels. Study will include analyzing text, vocabulary development, and improving writing skills. Class time will include 30 minutes each session for students to work independently or seek individualized assistance from the instructor. Participants should expect vocabulary assignments outside of the classroom.

Tuition & fees: \$550.

NCENR-CC003-01 July 23-Aug 16
M-Th 8:30-11:30am

**Four
Week
Sessions**

GEOMETRY PREP (GRADES 8-10)

Emphasis will be placed on vocabulary, logical thinking, and completeness of formal geometric proofs. Students will investigate, make conjectures, and form conclusions. The focus of this enrichment program will include deductive reasoning, line and angle relationships, triangles, and congruency, parallelism, proving polygons congruent and similar, right triangle properties, circles, and area and volume. We will reinforce skills such as how to construct knowledge through logical reasoning, problem solving, and communication. Tuition & fees: \$575.

NCENR-CC004-01 July 23-Aug 16
M-Th 1-4pm

PRE-ALGEBRA (GRADES 7-8)

The purpose of this course is two-fold: first, assist students who find mathematics to be an "obstacle course" by developing necessary skills to succeed, and secondly, challenge those students who wish to deepen their analytical and logical abilities. Topics include: evaluating numerical and algebraic expressions, building and solving a variety of equations, solving and applying proportions, applying properties and operations to integers and rational numbers, and exploring perimeter and area of plane figure as well as surface area and volume of three-dimensional figures. Graphing calculator is strongly recommended. Tuition & fees: \$575.

NCENR-CC005-01 July 23-Aug 16
M-Th 8:30-11:30am

