

7th & 8th Grade Course Topics

Middle school students will go to all seven periods each day. They will have Language Arts, Math, Science, Civics, Latin, PE, and an elective.

- The following topics will be covered during the year for the academic subjects listed. Students may be in different classes depending on their academic level.
- Both 7th and 8th graders will be taking Civics during the 2022-23 academic year.
- The potential math courses for seventh grade students are Pre-Algebra and Algebra 1. The math course your student(s) is/are placed in is determined by sixth-grade math grades, FSA score, and teacher recommendation. Eighth graders will be placed in Algebra 1 or Geometry. Only students who took Algebra 1 in seventh grade are eligible to take Geometry.
- Students who took Algebra in 7th grade will take Biology 1 in 8th grade as their Science.
- For the 2022-2023 school year, CCA will offer the following electives; Art, Beginning Music, Band 1, and Speech/Debate. Band 1 will be a yearlong class. All other electives will be a semester, meaning the students will change to one of the other electives in January.
 - Band 1 will require the student to rent/purchase an instrument and attend performances throughout the year.

Civics

7th and 8th grade for 2022 – 2023

Citizenship and Responsibilities

Forms and Systems of Government

Foundations of Democracy

Political Parties and the Election Process

U.S. Constitution

Bill of Rights

Branches of Government

State & Local Government

Citizens & the Law

Global Market

Economics

Science

7th Grade

Nature of Science	Energy and Energy Transformations
Earth Structures	Heredity and Reproduction
Evolution and Interdependence of Organisms	Introduction to Physics

8th Grade – Science III

Nature of Science	Properties of Matter
Changes in Matter	Matter and Energy Transformation
Earth in Space and Time	Physical Science
Life Science	Earth/Space Science

8th Grade – Biology

Nature of Science	Biochemistry
Cell Biology	Genetics
Evolution	Ecology
Human Physiology	

Math

Grade 7 – Pre-Algebra

Proportional Relationships	Addition/Subtraction of Rational Numbers
Multiply/Divide Rational Numbers	Expressions and Equations
Inequalities	Draw/Analyze Two Dimensional Figures
Circumference/Area of Circles	Surface Area and Volume
Proportions	Statistics
Experimental Probability	Theoretical Probability

Grade 7 & 8 Algebra 1

Expressions

Equations & Inequalities

Introduction to Functions

Linear Functions & Inequalities

Quadratic Functions

Exponential Functions

Variable Functions

Grade 8 – Geometry

Points, Lines & Planes

Transformations & Constructions

Angles

Introduction to Polygons

Triangles

Quadrilaterals

Properties of N-Gons

Circles

Three-Dimensional Geometry

English Language Arts

Grade 7

Literature – Specific novels may change

The Call of the Wild

Fahrenheit 451

The Count of Monte Cristo

The Curious Case of Dr. Jekyll & Mr. Hyde

Selected works by Shakespeare, poetry, and short stories

Grade 8

Literature – Specific novels may change

To Kill a Mockingbird

Lord of the Flies

Robinson Crusoe

Selected works by Shakespeare, poetry, and short stories

Grades 7 & 8 ELA Skills

Decoding/Encoding multisyllabic words

Cite evidence to explain and justify reasoning

Make inferences to support comprehension

Use appropriate voice and tone when speaking or writing

Exhibit elements of rhetoric in written and verbal responses

Understand author's purpose, text features, main idea, and theme in written works

Latin

7th and 8th grade

Building on the Latin vocabulary, derivatives, and chants memorized in 6th grade, students in 7th grade will attend to the intricacies of an inflected language through in-depth word analysis, translation, and diagramming simple sentences. Beginning Latin students will uncover the beautiful complexities behind the language we speak daily.

With a strong grammar knowledge foundation, students in 8th grade will continue to analyze, translate, and diagram more challenging sentence structures employing all noun declensions and verb conjugations, moods, and voices. Intermediate Latin students will begin interpreting longer passages and simple original texts. During the spring of the Intermediate Latin course, adept students will be invited to participate in the prestigious National Latin Exam.

Roman history, mythology, government, and cultural connections are studied throughout the middle school curricula.