

Grade 8th

Curriculum

- Art & Design
- Character Education
- Coding
- Dance
- English Language Arts
- Foreign Language
- Health
- Mathematics
- Music
- Physical Education
- Robotics
- Rocketry
- Science
- Social Studies
- STEAM (Science, Technology, Engineering, Art, Math)
- Study Skills / Keyboarding
- Theatre
- Yearbook

Sample Sources: Glencoe Science, Glencoe Math, VEX IQ Robotics, McGraw Hill Networks Texas Social Studies, SOAR, Novel Units, From Research to I-Search, English Essentials

Literature Examples

- Stargirl by Jerry Spinelli
- The Bitter Side of Sweet by Tara Sullivan
- To Build a Fire by Jack London
- The Lottery by Shirley Jackson
- A Midsummer Night's Dream by William Shakespeare

STEAM Project Examples

STEAM projects are team driven and combine grades 6, 7 & 8

Aviation: Students will explore the science and math behind flight, as well as how flight is used in technology today. From paper airplanes to drones, students will discover every facet and come away with a greater understanding of the advancement of aviation. Students will also gain an understanding of engineering while following specific guidelines to build, present, and launch a working rocket for a panel of experts.

Catch the Fever: Students will explore how communicable diseases emerge and their impact on our society. Students learn how medicine has evolved to prevent the spread of disease, how disease has impacted public health infrastructures, and study the evolution of microorganisms.

Graphic Novel: Does a picture really speak 1000 words? Students will study how graphic art spans across genres of design and will learn to identify which elements are used most effectively in specific materials to accomplish the purpose and reach the intended target audience.

Technology

- Student Learning Management System (Canvas)
- Microsoft Office 365: Word, Excel, Powerpoint, Outlook
- Google Docs / Slides
- Prezi
- Adobe Photoshop
- Adobe Illustrator
- OpenRocket
- Canva (Graphic Design)
- 3D Printing (Cura & Thingiverse)
- ALEKS
- MAT LAB (for robotics)
- Edhesive
- VEX IQ

High School Credit

Students are able to earn high school credits if they qualify for:

- Math
- Foreign Language
- Health

Schedule

Monday - Friday

Period	Time
1st	8:15 – 9:00
2nd	9:05 – 9:50
3rd	9:55 – 10:40
4th	10:45 – 11:30
5th	11:35 – 12:20
Lunch	12:20 – 1:00
6th	1:05 – 1:50
7th	1:55 – 2:40
8th	2:45 – 3:30

Grade 8th (cont'd)

Content Project Examples

The Diary of Anne Frank: Through the study of *The Diary of Anne Frank* by Albert Hackett and Frances Goodrich, students will explore the literary elements of drama. They will review Nazi propaganda and examine the role that media plays in people's developing opinions. Students will research the Holocaust and explore the influence of history on literature and poetry. Students will develop a persuasive essay addressing their opinions on good and evil.

Industrial Revolution: Students will gain an understanding of how economic forces lead to the Industrial Revolution through the study of the economic changes brought by the War of 1812 and the onset of rapid industrialization and urbanization.

Field Study Examples: In-State

- Fort Worth Aviation Museum
- Bob Jones Nature Center & Preserve
- Lewisville Lake Environmental Learning Area
- Holocaust & Human Rights Museum
- Southwest Airlines Training Facility
- Camp Fire First (Multi-Day)

Field Study Examples: Out-of-State

Yearly Week-Long, Tour-Guided, U.S. Educational Trip

Travel is usually done in partnership with Grand Classroom (www.grandclassroom.com). Clariden teachers accompany students on these 5-day trips where students get to experience a variety of natural and cultural landmarks and experiences. Participation is optional and parents are welcome to join the adventure. Below are examples of recent years' destinations:

- Florida Everglades & Keys
- San Francisco & Monterey
- Pacific Northwest



Competitions

- The American Rocketry Competition (TARC)
- VEX IQ Challenge (Robotics)
- United States Super STEM Competition (USSSC)
- GeoBee
- Math Counts

Athletics

- Cross Country
- Volleyball
- Basketball
- Track & Field

Clubs

- National Junior Honor Society
- Student Council
- Odyssey of the Mind
- Drama / Theatre
- Film Club

Assessments

- Summative & Formative Classroom Assessment
- Presentations of Learning
- Report Cards: End of Terms (December/May)
- Progress Reports: Mid Term (October/March)
- NWEA Assessments: Fall, Winter, & Spring
- Pre-ACT 8th
- PSAT 8/9