

## Grade 7

Grade 7 students learn how to conduct research to form their own opinions. They then take what they have learned and apply it to projects that encourage community engagement.

### English Language Arts

Projects emphasize gathering information from texts and conducting research to form opinions which students present through a variety of methods. Learners increase their skills by interpreting the ubiquitous information available in our digital age and presenting their analysis through digital means. They are tasked with creating a presentation to the leaders of world nations regarding human colonization of space and writing an art critique by taking virtual tours of the world's most famous museums.

### Science

Engaging in virtual labs and diverse instructional materials creates a rich learning experience. Grade 7 students explore life Science through inquiry and scientific thought. Topics include cell function, processes of plants, animal behavior, the systems of the human body, and ecology.

### Social Studies

Students explore the essential elements, themes, and branches of the geography of the Eastern and Western hemispheres. They delve into the founding principles and practices of U.S. government and explore topics in economics. Students learn by completing projects such as drafting public policy on an issue they care about and taking steps to effect positive change in their community.

### Math

Students develop a strong conceptual understanding of Math skills and concepts. They draw on problem-solving skills and prior knowledge to simplify and solve algebraic expressions, approximate probability and relative frequency, and construct different geometric figures. Students learn to identify the plane shapes, and then use those skills to assemble a three-dimensional object. Designing a bird feeder is one of the project options.

### Electives

Middle school students can choose from a selection of electives.

*Course content subject to change.*



Research is at the core of learning this year.

### LESSON RESOURCES

Quick Checks - auto-graded assessments to gauge understanding

*Math In Focus G7* e-texts

*Math In Focus Digi +*

Pearson *MyPerspectives ELA* e-texts

Pearson *ReadyGen Text Collection G7* e-texts

*The Outsiders*

*Hatchet*

HMH *Science Fusion* e-texts:

- *Cells and Heredity*

- *The Diversity of Living Things*

- *The Human Body*

- *Ecology and the Environment*

HMH *ScienceFusion* Virtual Labs

McGraw-Hill - *Discovering Our Past: A History of the United States* e-text

Britannica® School

World Atlas

World Atlas

BrainPOP Interactive Activities

Discovery Education STREAMING Videos

PrepMagic Simulations

Legends of Learning Games