



# MIDDLE SCHOOL SUMMER LEARNING RESOURCES

## All Content Areas

### [Khan Academy](#)

Create a parent or student account to access video lessons for all subjects and grade levels – including personal finance and ACT and SAT Prep.

### [PBS Learning](#)

WHYY and PBS have curated free, standards-aligned videos, interactives, lesson plans, and more. Search by subject and grade level.

## English Language Arts

### [Freckle – Log-in through Clever](#)

Online learning platform that provides individualized practice for students at their level of learning.

### [Power Library](#)

POWER Library is the online portal to all that Pennsylvania libraries offer. Research a subject. Learn about your family history. Locate a title. Explore career options.

### [Commonlit](#)

Search both fiction and nonfiction texts by grade level (3-12), topic, genre, standard, theme, or literary device. Students read the text, answer questions, and access support tools as needed.

### [John Spencer](#)

100 writing prompts for middle school writers.

### [No Red Ink](#)

Online grammar and writing practice.

### [ESL Lab](#)

Listening practice for English language learners.

### [Reading Coach](#)

Personalized, targeted reading fluency practice in a trusted app from Microsoft.

## Mathematics

### [Freckle – Log-in through Clever](#)

Online learning platform that provides individualized practice for students at their level of learning.

### [CK-12](#)

Find free lesson resources for 6-12 math. Click on the topics in green to explore the skills.

### [Open Middle](#)

Challenging math problems worth solving. Download questions across all grade levels. Available in both Spanish and French.

### [NCTM Illuminations Interactives](#)

Interactive tools and games that provide opportunities for graphical, hands-on, and real world understandings of mathematical concepts.

### [Math Goodies](#)

This website provides mini-lessons by topic, printable worksheets, learning games, and even a parent forum to discuss your child's math experiences.

### [Math Planet](#)

Resources for Pre-Algebra, Algebra 1, and Geometry.

### [Math Skills Database](#)

Search by Keyword or Grade and find the drop-down for Resources. There are several ways to practice math skills, including videos, practice quizzes, and worksheets.

## Science

### [CK-12](#)

Find free learning resources for 6-12 science.

### [Science News](#)

Science News features daily news articles, feature stories, and more in all disciplines of science.

### [HowStuffWorks](#)

How Stuff Works Science has explanations and colorful illustrations related to earth science, life science, and other wonders of the physical world.

### [Ward's World](#)

Free resources for every grade level and every science subject, including Biology, Chemistry, Physics, Earth Science/Geology, Safety and STEM/Makerspace.

### [LabxChange](#)

Harvard's free online science education platform that provides users with access to personalized instruction and virtual lab experiences.

## Social Studies

### [Smithsonian History Explorer](#)

Explore the Smithsonian's vetted website that leads students through investigations which emphasize the acquisition and application of knowledge for college, career, and civic life.

### [Civics Online Reasoning](#)

The COR curriculum provides free lessons and assessments that help you teach students to evaluate online information that affects them, their communities, and the world around them.

### [iCivics](#)

Lesson resources for learning civics.

### [Seterra](#)

Seterra includes fun quizzes that help familiarize students with countries, capital cities, flags, rivers, lakes, and notable geological features.

## STEM

### [Maker Maven STEM Challenges](#)

24 STEM Challenges from Maker Maven - Challenges feature items that can easily be sourced around the home and keep kids engaged.

### [Invent.org](#)

Hands-on STEM activity guide

### [Wow in the World](#)

The #1 podcast for kids and families is produced by Tinkercast and distributed by NPR. Check out the daily podcasts and STEM challenges.

### [Code.org](#)

Students can visit the website and start learning how to program, and begin coding without an account through the Hour of Code activities.

### [Imagineering in a Box](#)

A series of interactive lessons in theme park design and engineering that give a behind-the-scenes peek into Imagineering's development process. The site features videos of actual Imagineers, real-world case studies, and interactive activities to give students the opportunity to dream and design their very own theme park experience!

### [Ward's World](#)

Free resources for every grade level and every science subject, including Biology, Chemistry, Physics, Earth Science/Geology, Safety and STEM/Makerspace.

### [Scratch](#)

Scratch is a free programming language and online community where students can create their own interactive stories, games, and animations.