



# 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](#)

Student access via Clever portal. Online learning platform that provides adaptive differentiated 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.

## Mathematics

### [Freckle](#)

Student access via Clever portal. Online learning platform that provides adaptive differentiated practice for students at their level of learning.

### [Summer Math Challenge](#)

A free, six-week program to practice math skills taught during the school year. The challenge gives access to daily activities and resources designed for your child's grade and ability level.

### [MAP- Mathshell](#)

100 lessons for formative assessment, some focused on developing math concepts, others on solving non-routine problems.

### [CK-12](#)

Find free lesson resources for 6-12 math.

### [Open Middle](#)

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

### [NCTM Illuminations](#)

Standards-based resources for teaching and learning mathematics, including interactive tools.

### [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.

## Science

[CK-12](#) Find free learning resources for 6-12 science.

### [Science News](#)

Science News features daily news articles, feature stories, reviews 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.

## Social Studies

[Smithsonian History Explorer](#) - Explore the Smithsonian's vetted websites that lead students through investigations that 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.

[Newsela](#) - Current events offered at a variety of reading levels

[iCivics](#) - Lesson resources for learning civics.

### [Seterra](#)

Seterra includes fun quizzes that help familiarize you 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](#) - A free website where students can learn the basics of computer science and coding.

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

A series of interactive lessons in theme park design and engineering, designed to give a behind-the-scenes peek into Imagineering's development process. It combines 32 videos of actual Imagineers, real-world case studies, and lots of interactive activities to give you the opportunity to dream and design your 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.

### [Young Inventors Challenge](#)

Free resources to help kids invent a toy or game including a step-by-step Design Guide, articles and videos. Kids can also enter Young Inventor Challenge for a chance at scholarships, prizes and licensing. Every entrant receives feedback from a toy/game executive.