

# STEM Resources

## Middle School

Middle school is when students begin to solidify career paths and interests, and these years are crucial in promoting STEM fields. Middle school students develop essential STEM skills and engage in scientific investigation and the engineering design process. Students explore global issues, answer complex questions, and develop solutions for real-world challenges.

### Recommended Websites

[Exploratorium.com](http://Exploratorium.com) With over 12,000 web pages exploring hundreds of different topics, the Exploratorium is a collage of over 650 science, art, and human perception exhibits.

[egfi-k12.org](http://egfi-k12.org) Discover the nuts and bolts of engineering. This website contains advice on careers, entertaining info on all kinds of fields and links to the eGFI magazine.

[Games.NationalGeographic.com](http://Games.NationalGeographic.com) Journey deep into the nano-world. Build the greenest city in the universe. Prepare for the apocalypse.

[Kidsahead.com](http://Kidsahead.com) A STEM bonanza packed with resources, videos, games, and info on cool jobs.

[TryEngineering.org](http://TryEngineering.org) Try your hand at engineering problem-solving with games such as designing a bionic arm or racing a solar car.

[Code.org](http://Code.org) Learn how to build an iPhone game, write your first computer program, or draw in JavaScript.

[Scratch.mit.edu](http://Scratch.mit.edu) Kids can program their own stories, games, and animations!

[MathMovesU.com](http://MathMovesU.com) Math help for middle school students including interactive games and real-world connections.

[HowStuffWorks.com](http://HowStuffWorks.com) A source for clear, reliable explanations of how everything around us actually works.

[DiscoverEngineering.org](http://DiscoverEngineering.org) A wealth of information on engineering and careers along with cool games.

[Techrocket.com](http://Techrocket.com) A great tool for kids interested in programming and graphic design.

### Awesome Apps

Cargo-Bot

Hakitzu Elite: Robot Hackers

King of Math

Monster Physics

Scratch

Sector 33

Science360

SimplePhysics

TinkerBox

Rube Works

### Fun TOys

Snap Circuits

Gravity Maze

Lego Mindstorms

K'NEX Solar Energy