

STEM Resources for students, parents, teachers

A brief overview of STEM resources for parents and teachers to use with pre-school to high school learners is listed below.

[Solar System Ambassadors - NASA Science](#)

Solar System Ambassadors

This interactive website is for all ages, and covers a multitude of topics that are broken down into four major categories:

1. **Learn-** *Science Activation program which connects people of all ages and backgrounds with science in ways that activate minds and promote a deeper undertaking of our world and beyond.*
 - Clicking on the red arrow opens up 192 pages with six entries per page on topics ranging from the solar system, physical science, weather, earth's surface, oceans, climate science, space weather, life sciences and much, much more.
 - After clicking the red arrow, the left side of the main page also offers filters to narrow the search from subject to learner levels to language to learning time and more.
 2. **Citizen Science-** *Join NASA researchers and discover the secrets of the universe, search for life elsewhere, and protect and improve life on Earth and in space.*
 - Listed are 35 projects to choose from, click on **Read Project Summary** to see the suggested age for each project.
 3. **Skywatching-** *Tips, guides, activities and videos for skywatchers.*
 - See the latest in skywatching with videos and tips on how to observe and photograph the sky, and knowing what to look for in the sky. This section also offers easy to understand instructions and suggestions for skywatching.
 - Scroll down to the very bottom of the topic page and visit links to many NASA programs (including LIVE events).
 4. **NASA Kids Science-** *Websites for kids to explore.*
 - Seven sites that include games, activities, videos and articles on a range of topics: space and earth science, climate change, astronomy, biomes and more!
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[Skype a scientist](#)

Skype a Scientist

This website allows students (teachers, parents) to connect with scientists across the globe. One click on the **Get Started** button links one to the page to sign up to connect to a scientist or see upcoming events. Very easy and straightforward.

[Library Telescope](#)

St. Louis Astronomical Society- Library Telescope

The Library Telescope Program has 223 telescopes available for public checkout and *seeks to foster scientific literacy, stimulate an interest in astronomy who have not had the chance to look through a telescope and experience the excitement that comes from discovery.*

The website lists the Missouri libraries where the telescopes are available for checkout.

[Best STEM Books 2017-25](#)

Best STEM Books 2017-2025

The Best STEM Books, from the Children's Book Council, has 222 books listed that cover a variety of STEM topics. Clicking on the book title, or on the book, links to a brief description of the story and the appropriate grade level. Scrolling down the preview page also lists original resources, book guides, activities, lessons, book readings, vocabulary resources and more.

[Stem Inventions](#)

STEM Inventions

This website has fun and easy STEM projects for kids ages 5-11+ in six different categories: launchers, flyers, hydraulics, vehicles, structures and gadgets. All the instructions are on a free downloadable .zip file.