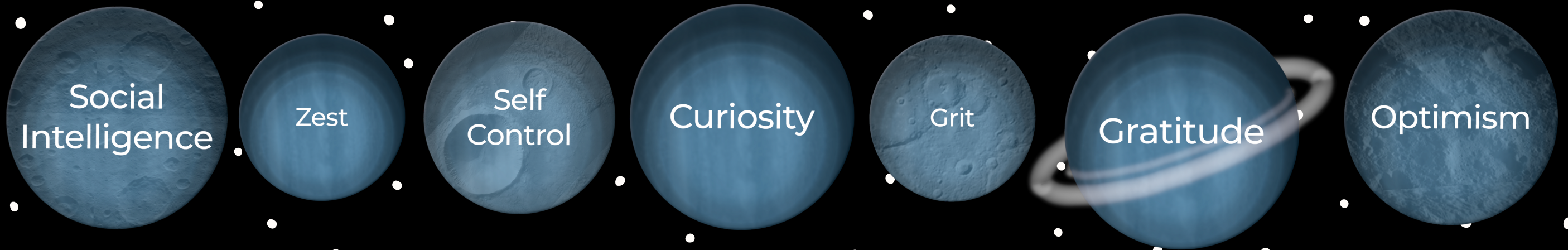




Post-Conference Resource Kit





Our Shine On! Curriculum

Along with our day-long, virtual conference, Shine On! has put together a list of online STEM resources that teachers can integrate into their day to day activities. These resources will help you enrich the learning that your students gain from our conference. In this resource kit, you will find space resources, STEM resources, and the last three Shine On! KIPP character strength videos. You can access them by clicking on the titles of each section. Feel free to share this resource kit with anyone who you think may benefit from it. It can also be found on our website www.shineongirl.org.

Our Conference

On May 6, nearly 6,500 students looked to the stars as they participated in almost 30 virtual STEM workshops. These students also received the unique opportunity to watch a live downlink with astronauts aboard the International Space Station. If you would like to watch any workshops you missed, you can find them on our website www.shineongirl.org. If you would like to watch the recorded version of our NASA downlink, you can do so on NASA TV.

Shine On! Videos

K-4

5-8

Gratitude

 Inventions we Appreciate

 We use everyday

How to Submit Thank You's

Zest

 What Excites
you about Space?

Curiosity

 Careers in STEM

 What Jobs Can You Do?

Inventions we Appreciate 

NASA Inventions 

What Excites
you about Space? 

Careers in STEM 

Next Generation Innovations 

Gratitude

Zest

Curiosity



Social Intelligence

Zest

Self Control

Curiosity

Grit

Gratitude

Optimism

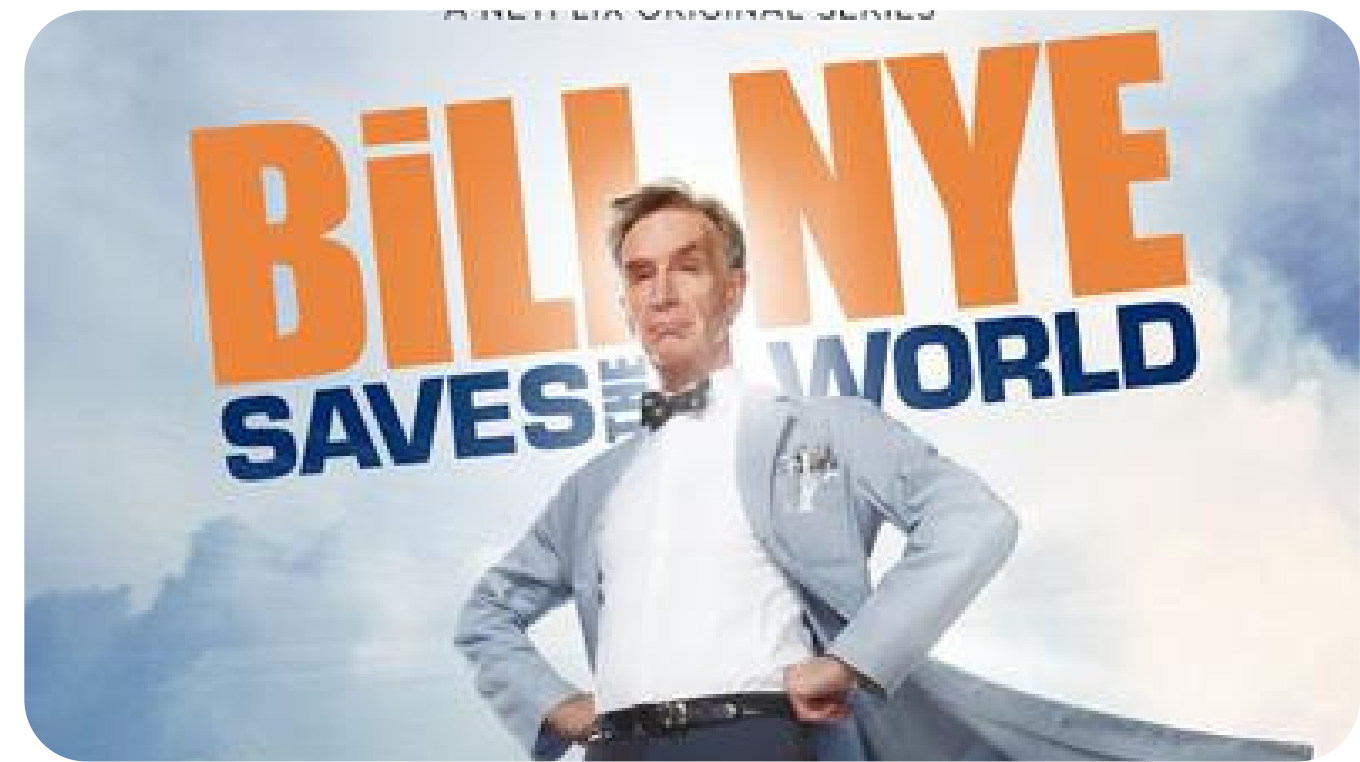


Code Monkey

CodeMonkey teaches the basics of programming languages, like JavaScript and Python, through a series of game-based courses.

Netflix- Bill Nye Saves The World

An easy & fun resource for parents and teachers looking to immerse their students in the world of Science and Bill Nye.



Bringing Scientists, Engineers and Children to create together

Curiosity Machine

Run by Technovation Families, Curiosity Machine Challenges introduces engineering concepts through videos before sending off students to produce projects like rockets, communication networks and circuits.

Design Squad Global

Presented by PBS Kids, this colorful website offers catchy videos to stoke kids' interest in science. Students can learn more through games, design challenges, and fun DIY science projects.



Food Farm 360



This website provides interactive videos from different types of farms! Students can swipe around to see more.



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Interland

Interactive game made by Google. Teaches students how to stay safe on the internet and how to avoid getting hacked/sharing personal information.

Labster

This resource is filled with interactive labs for different STEM topics.



NASA Space Place

The Space Place engages students with topic-based collections of articles, games, crafts and activities. Easy for kids to navigate, the site features subject areas including Earth, sun, solar system, universe, and science and technology.



Prodigy

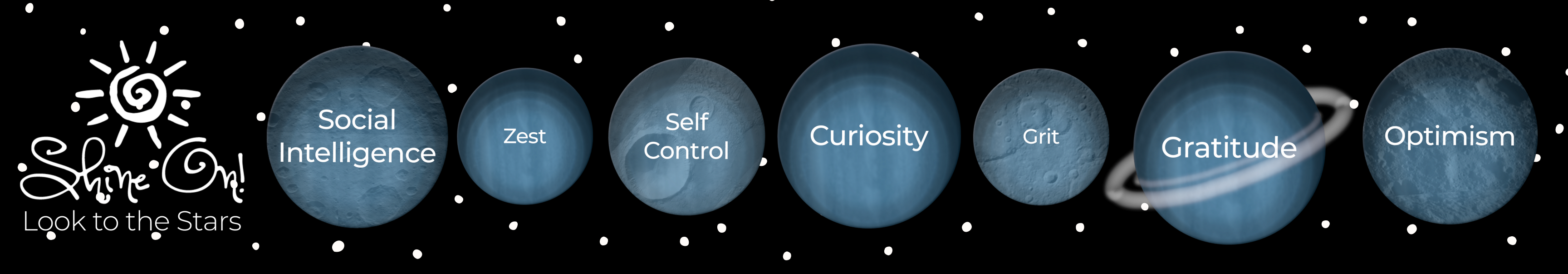
Interactive math lessons and games.



Scratch

Developed by the Massachusetts Institute of Technology Media Lab, Scratch teaches students to create games, animations and interactive media. The site encourages students to apply these skills across various academic subject areas.



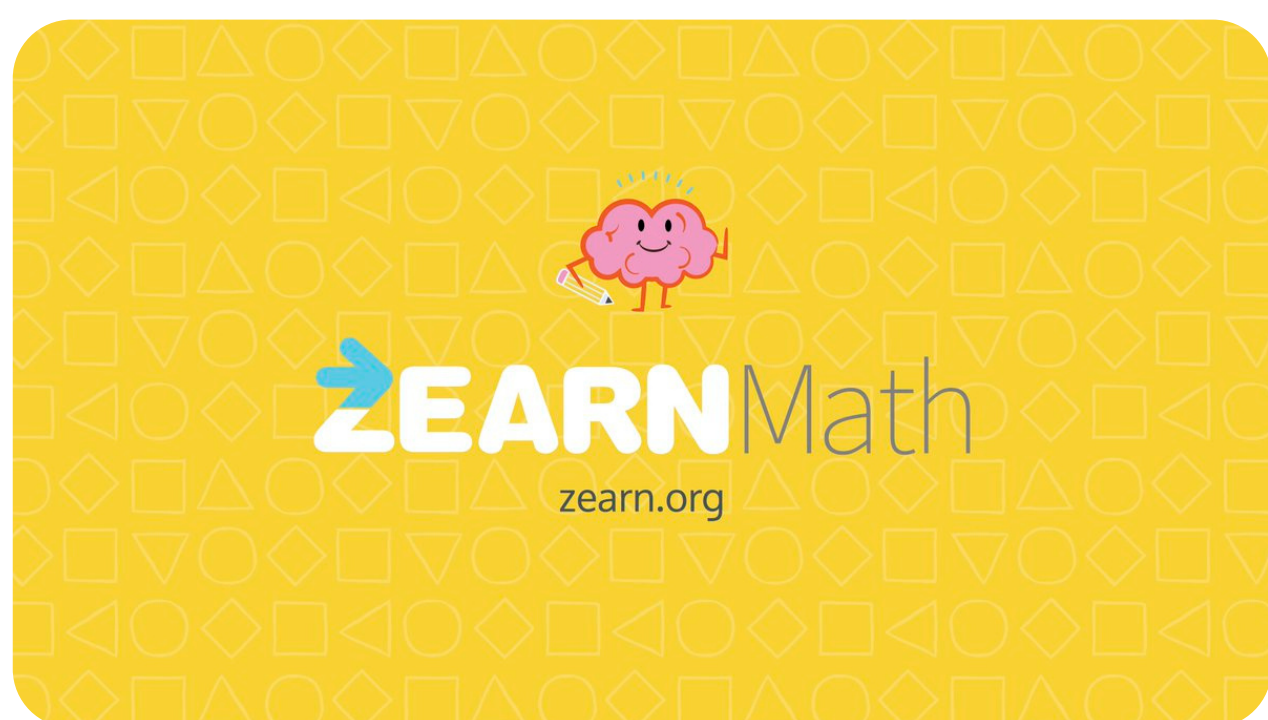


Sheppard Software Math

Game-based math lessons reinforce classroom practice and make math fun. This site also includes a few advanced topics, like algebra and probability.

Starfall

Starfall provides students with games and activities to enrich number, letter and phonics fluency.



Zearn

Fun and engaging math lessons that includes video lessons and interactive math problems.

TRY Engineering

The Institute of Electrical and Electronics Engineers presents games, articles, and career resources for students and educators. Younger students can develop an appreciation for engineering through games.



Frontiers for Young Minds

This resource allows for students to become young reviewers of scientific articles.



Social
Intelligence

Zest

Self
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Curiosity

Grit

Gratitude

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ASK
DR. UNIVERSE



Ask Dr. Universe

Kids can look to this website for questions they have about STEM that incorporates videos, activities and podcasts, and ask questions to the website that can be answered.

The Concord Consortium

Offers interactive STEM resources for kids and high schoolers that offers activities in life science, physics & chemistry, engineering and math.

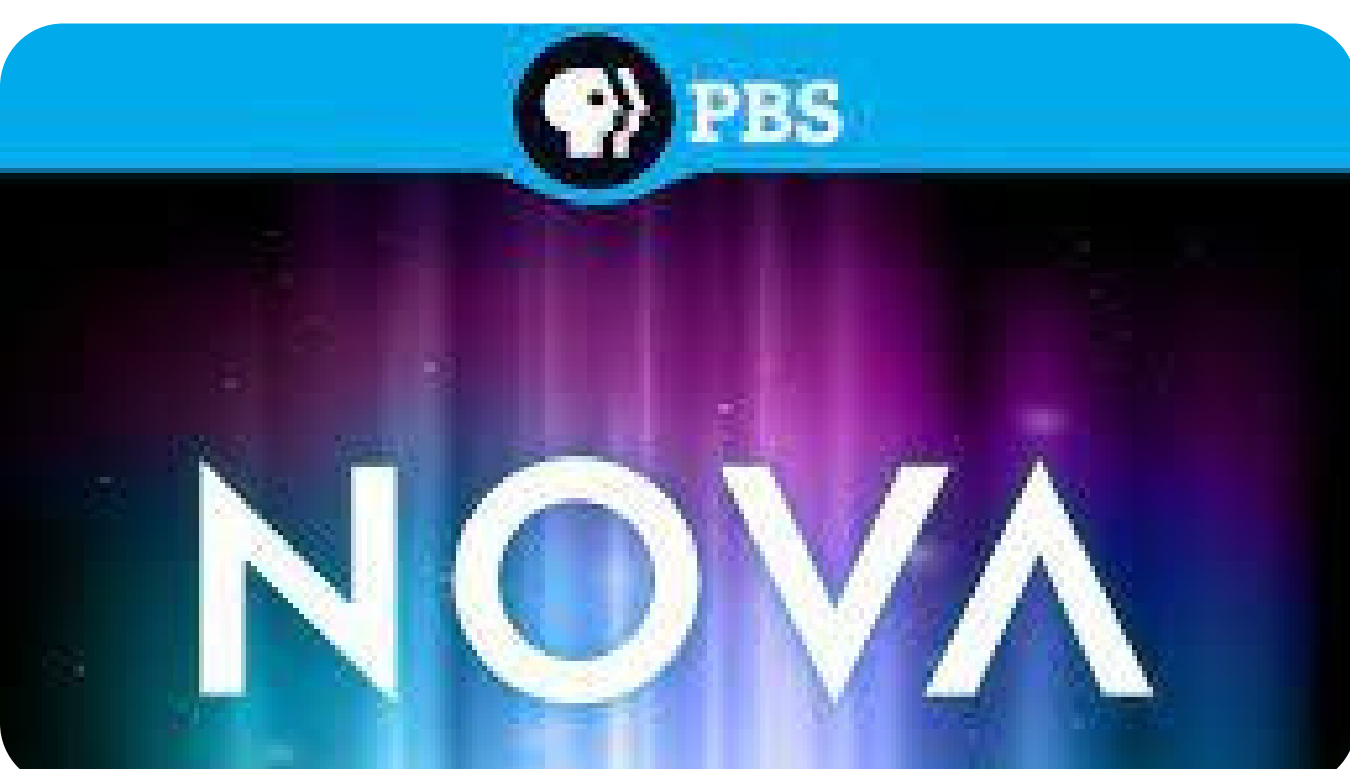


Engineer Girl!

Fun facts and profiles, it has links to scores of engineering contests, clubs, programs and scholarships for young girls looking to explore engineering.

Kids Ahead

Has students look at articles, activities and cool jobs that people in STEM can do.



PBS - NOVA

NOVA offers a series of in-depth videos on varying science topics.



Social Intelligence

Zest

Self Control

Curiosity

Grit

Gratitude

Optimism

NASA Kids' Club

NASA Kids Club

This website has a bunch of cool NASA and space facts for kids to explore.

Utah Education Network

UEN provides a series of interactive science labs and games focused on different topics including science, tech, health and math.



CARNEGIE
STEM Girls

CanTEEN- Carnegie STEM Girls

Helps girls explore STEM by offering activities, programs and resources.

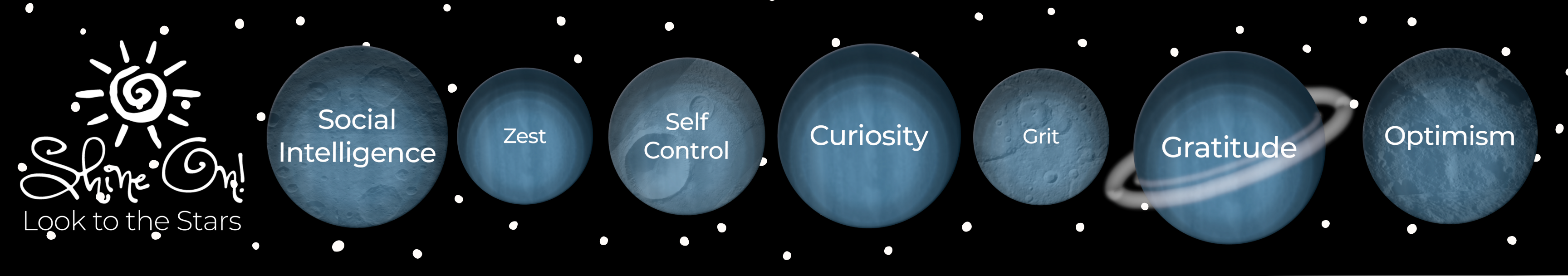
Access Mars

Students are able to click through an interactive experience with the Mars Rover!



National Geographic - Kids

National Geographic for kids has created a website that can easily be navigated by kids to explore games, videos and articles regarding animals and STEM.



NASA

It has activities and learning resources for students broken down by age group/ grade level.

Code.org

This website has a ton of learning resources for students interested in computer science and coding. This particular link is a video library of introductory topics for students to get interested in computer science.

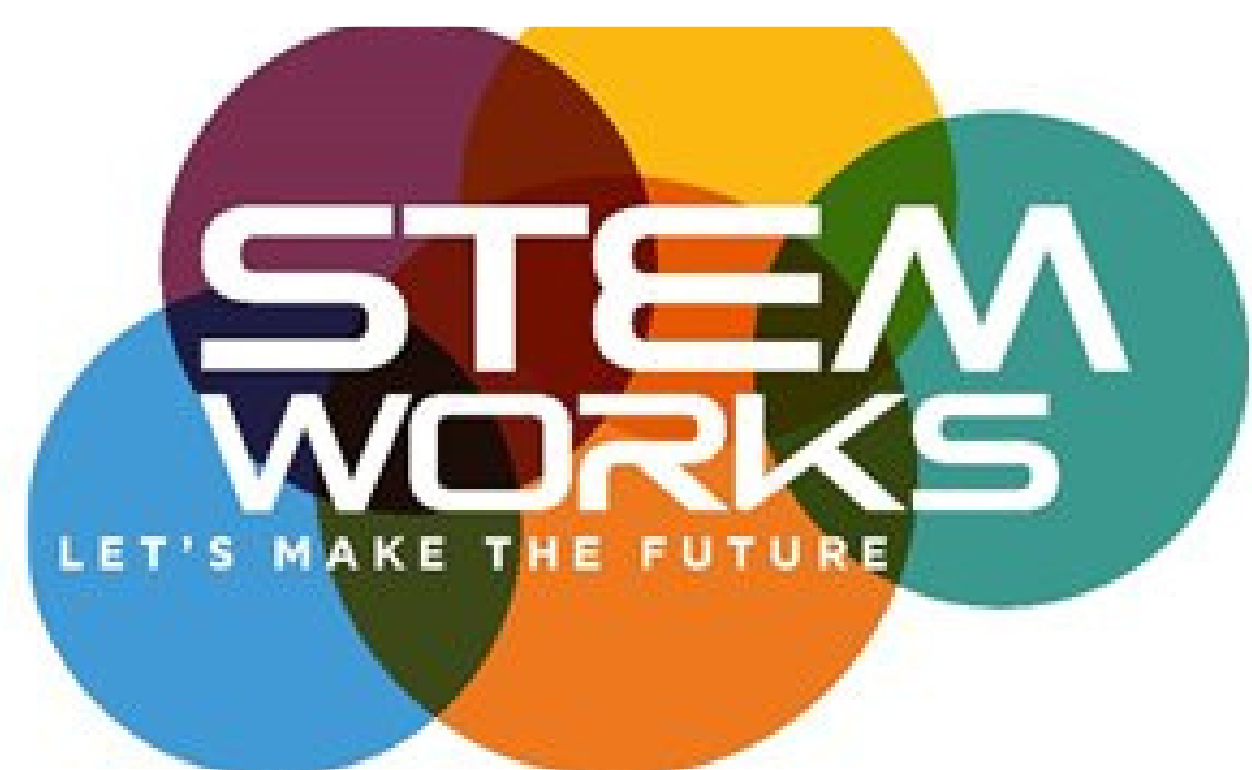


Mars- NASA

Kids can send their name to Mars on a ticket in 2024.

STEM Works

This website has activities for students in multiple different STEM categories to increase student interest in the different STEM fields.



Code Academy.

This website is a fun and interactive tool for students in middle school interested in learning about coding.



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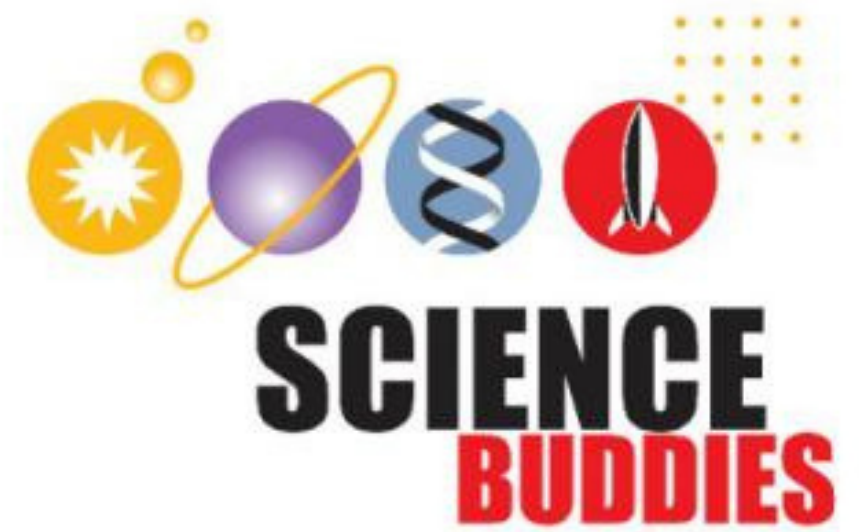
HOW STUFF WORKS

How Stuff Works

This website is a video library source showcasing how stuff works in multiple different categories.

Science Buddies

Science Buddies sells kits for some of its more complicated projects, but the site also features a wealth of ideas with accessible ingredients. Kids of all ages can build their scientific know-how through well-integrated videos, articles and project ideas.



Girls INC.

This program works to inspire future leaders. The program is created for girls ages 5-18 at more than 1,500 sites in 350 cities across the United States

Girls on the Run

Girls on the Run has programs for 3rd-5th graders and 6-th-8th graders. They meet in small teams or virtually, with trained volunteer coaches that inspire girls to build confidence and other important life skills through dynamic, interactive lessons and physical activity.





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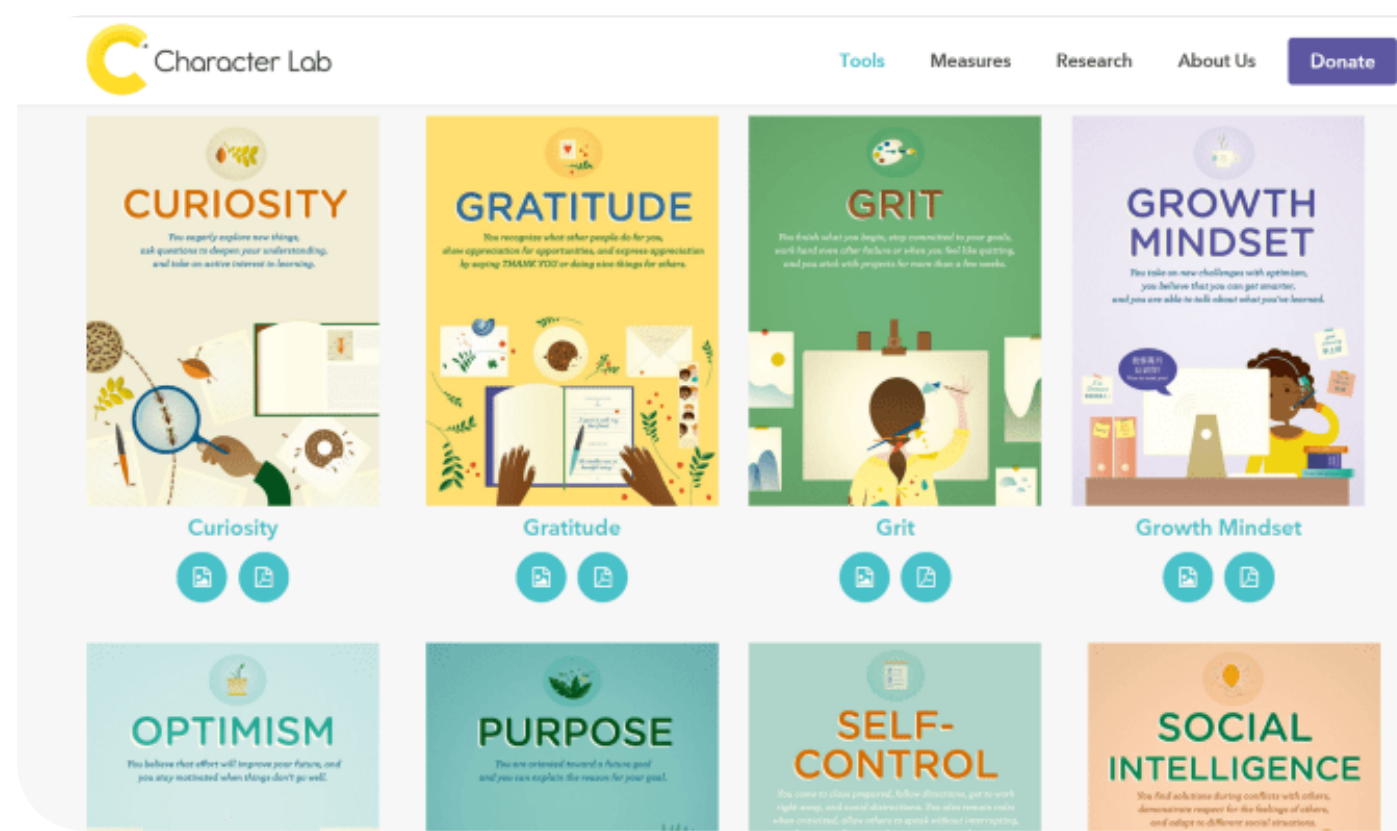


Girl/Boy Scouts

Developed a unique, "fun with purpose" K-12 curriculum to inspire girls to embrace and celebrate scientific discovery in their lives.

Character Lab

Character Labs mission is to advance scientific insights that help kids thrive! They make school-based research fast, frictionless, and fruitful.



4-H Local Robotics

The 4-H robotics program inspires young people and develops an early interest in robotics engineering and technology. 4-H has robotics kits and supplies that can be purchased on thier website.

NYS Science Olympiad

NYS Science Olympiad is a non-profit organization which seeks to engage and challenge students in science, technology, engineering, and mathematics ("STEM") through various level of team-based, competitive tournaments throughout New York State.

