

phases of the moon for several weeks

STEM tastic at home CHALLENGE

Explore. Discover. Create. Here is a list of fun activities that you can do at home, most with supplies you'll already have, and some links to take you on virtual field trips.

□ Create art using crayons and the sun.	□ Propagate a plant in your flower garden	□ Look at something up close: use a
□ Create a safe cleaning product using	□ Explore space science by identifying a	magnifying glass and/or binoculars
common ingredients from a kitchen.	planet or constellation.	□ Upcycle a tin can into something fun o
□ Compare 3 different habitats at a zoo.	□ Experiment with paper airplanes to	useful.
Visit zoo.sandiegozoo.org and take a virtual tour.	make them go faster, farther, and straighter.	Investigate 3 different engineering careers
□ Be an engineer and build a play fort	□ Learn a formula to determine distance	□ Visit a science museum
□ Write an algorithm for making a	from a lightning strike.	Log on to www.naturalhistory.si.edu/
sandwich	□ Investigate 3 different health/medical	visit/virtual-tour to take a virtual tour
□ Make a musical instrument with	careers.	of the Smithsonian National Museum
a rubber band to explore sound	□ Solve a problem with a piece of duct	of Natural History
vibrations.	tape.	☐ Identify 3 species and common names
□ Watch for a rainbow after a storm. How	□ Make fingerprints on paper using a	of plants that you never knew before.
does the light break into colors?	washable marker; add arms, legs and	☐ Use a tool you've never tried before to
□ Create a board game using math	eyes for fun!	fix or make something useful.
concepts and recycled materials.	□ Make a beauty product using common	□ Sew something using a sewing
□ Invent an outdoor game that uses 2	items from a kitchen.	machine.
different senses.	□ Double a favorite recipe or cut it in half.	□ Write an algorithm to help you walk or
□ Make up a secret code and send notes	☐ Make something using wire cutters and	ride to a playground.
to a friend.	pliers.	☐ Find directions to a favorite place by
□ Find symmetry in nature	□ Learn about energy conductors/	using both a paper map and a smart
and take a photo or draw a picture of it.	insulators and keeping safe in an	phone map.
□ Draw a design for something that	electrical storm.	□ Upcycle old newspaper or magazines
makes life easier for those with	□ Explore static electricity with a blown-	into a piece of jewelry.
disabilities.	up balloon.	□ Investigate 3 different Space Science
□ Make a cardboard and rubber band car	□ Build a shelter for a fairy from found	careers.
that goes.	objects that will give protection from	□ Use a cup and ruler to measure rainfall
□ Design and draw a picture	wind and rain.	□ Send GSHS pictures/videos of
of a future mode of transportation.	□ Investigate 3 different programmer	your STEM adventures to news@
□ Explore space science by tracking the	careers	girlscoutshs.org to be featured on

☐ Use yeast to bake bread that rises.

social media.