



STEMtastic Summer Challenge



Summer is the perfect time of year to explore STEM and try new things!

Fulfill at least the minimum number for your program level between June 1 and August 31, 2023. Visit the GSCTX shop to purchase your patch.

	Create art using crayons and the sun Try a new mode of transportation: boat, plane, train, bus		Take a ride to watch wind towers creating clean energy Browse a fabric store and find materials		Go on a fossil hunt Explore space science by identifying a planet or a constellation
	Cross three different kinds of bridges: suspension, lift, truss, arch	_	that are soft, rough, thick, thin, waterproof, and sparkly		Ask an adult for a story about something that was invented in their
	Ask an architect or builder to show you how to read blueprints		Cook something using foil wrap, a box, and the sun		lifetime Collect seashells and use a guidebook to
	Be an engineer and build a play fort		Visit a dam or hydroelectric plant		find their scientific names
	Write an algorithm for making a sandwich		With an adult, use GPS to locate a geocache		Experiment with paper airplanes to make them go faster, farther, and
	Watch fireworks and call out the		Invent an outdoor game that uses two		straighter
	elements that make up the colors:		different senses		Learn how to use thunder to determine
	green=barium, blue=copper,		Make up a secret code and send notes to		your distance from a lightning strike
	yellow=sodium, red=strontium,		a friend		Investigate three different careers in the
_	orange=calcium		Find symmetry in nature and take a	_	medical sciences
	Try a family citizen scientist activity	_	photo of it or draw it		Solve a problem with a piece of duct
_	with the SciStarter app		Draw a design for a device that makes	_	tape
	Make a musical instrument with a rubber band to explore sound vibrations		life easier for a differently abled person Make a cardboard and rubber band car that goes		Make fingerprints on paper using a washable marker; add arms, legs, and eyes for fun!
	Find out with the SPF on your sunscreen means		Design and draw a picture of a future mode of transportation		Make a beauty product with common items from the kitchen
	Watch for a rainbow after a storm. How		Explore space science by tracking		Double a recipe or cut it in half
	does the light break into colors?		phases of the moon for several weeks		Build a sandcastle
	concepts and recycled materials		Find a local stream and determine what larger body of water it will flow into		Create a safe cleaning product using common ingredients from the kitchen
	Talk to someone who is programmer		Propagate a plant		Use a cup and ruler to measure rainfall

Learn about energy		
conductors/insulators and how to keep safe in an electrical storm	Upcycle a tin can into something fun or useful	Find directions to a favorite place by using both a paper map and a smart
Make something using wire cutters and	Investigate three different engineering	phone map
pliers	careers	Upcycle old newspaper or magazines
Explore static electricity with a blown-	Visit a car dealer and ask about safety	into a piece of jewelry
up balloon	features on cars	Pick a home appliance and compare
Pick out a paint color and watch it get	Hunt through a hardware store and find	model features in the store
mixed at the store	wire, rope, screws, and tape	Talk to someone who is an engineer
Build a shelter for a fairy from found	Visit a science museum	Try a fruit or vegetable that you've
objects that will give it protection from	Make an article of clothing using a new	never tasted before
wind and rain	tool or method	Investigate three different space science
Investigate three different programmer	Identify three species and common	careers
careers	names of plants that you don't know	Throw a ball and use your feet to
	Use a tool you've never tried before to	estimate how far you threw it
magnifying glass, microscope, or	fix or make something useful	Use a cup and ruler to measure rainfall
	Sew something using a sewing machine	Send GSCTX pictures of your STEM
Use yeast to bake bread that rises		adventures to programs@gsctx.org

	Number of activities required by program level											
Daisy	Brownie	Junior	Cadette	Senior	Ambassador							
15	20	25	30	35	35							

Questions? Email programs@gsctx.org

Don't forget to visit the Girl Scouts of Central Texas store to get your patch!

The minimum number of STEMtastic activities I need to fulfill is:

There are
The number of STEMtastic activities I want to complete is:

My STEMtastic grand total as of August 31, 2022 is: