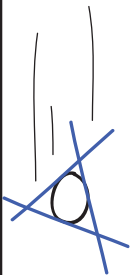


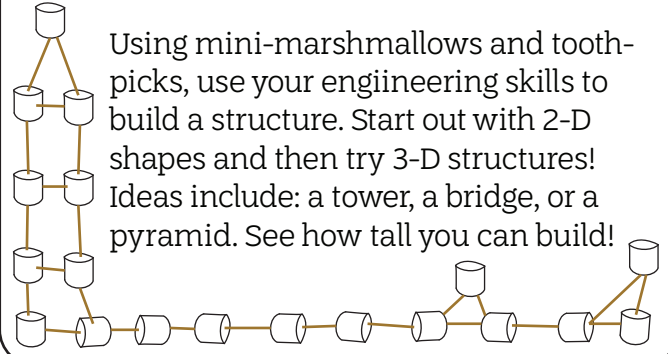
November 8th is National STEM Day! This day celebrates science, technology, engineering, and math. Try one or more of the STEM activities below and start exploring! You'll earn a fun patch too! Did you know that Brownies, Juniors and Cadettes have a STEM Career Exploration Badge? Daisies, Seniors and Ambassadors: don't fret—there are plenty of STEM badges to go around! Check out your level's badges on Space Science, Coding, Robots, Digital Game Design, Think Like an Engineer, and more!

Egg Drop Project



This challenges you to build a contraption that will protect a raw egg from varying heights. Try different methods to ensure the egg doesn't break! Be creative in what materials you use, and how it looks. After your drop review what worked and what didn't, and try again if you'd like! For ideas, web search "egg drop project."

Marshmallow Engineering



Using mini-marshmallows and toothpicks, use your engineering skills to build a structure. Start out with 2-D shapes and then try 3-D structures! Ideas include: a tower, a bridge, or a pyramid. See how tall you can build!



Soda and Mentos Geyser

With an adult, see how Mentos candy reacts with soda. Search the internet for tips and techniques for this fun experiment, such as making a rocket car. Why does that reaction happen? Why does diet soda have a more intense reaction?



DIY Lava Lamp

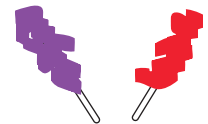
Make your own lava lamp at home using household materials! With just a clear container, oil and water, you can learn about how liquid density and polarity works. Add some alka-seltzer and watch your lava lamp react!

Which STEM activity did you choose? How did it go?

Rock Candy Science



Using just a few simple items, you can make your own rock candy at home with science! A saturated sugar solution is placed in jars with sugar coated sticks. The sugars attach to the stick forming sugar crystals that you can eat!



Name _____

Phone _____ Troop _____

Submit completed sheet to shop@gsnim.org. Contact us at 800-283-4812 ext. 5 to purchase patch for \$1.50 (includes shipping). While supplies last. Patch may change due to availability.