

# STEM

## Bingo!

To enter, complete STEM activities below from now until February 28th to earn a Bingo by completing a horizontal, vertical or diagonal line. Check out some great STEM resources from the library for inspiration! Once you've completed at least [5 activities](#), turn in your card to the front desk by February 28th.

Adult assistance and supervision may be required for some activities.

Inspired by Lindsey Nelson, an engineering educator at Outschool.com. Currently Outschool is offering free live classes to support public school families affected by school closures

<p>Make a boat that can really float. How can you modify your design so that it would be a fun bath toy?</p>	<p>Fold and fly different styles of paper airplanes. How can the science of flight help you design a better plane?</p>	<p>Create slime using simple household ingredients. <b>Check the library for instructions!</b></p>	<p>Find a recipe with at least 5 ingredients, double it, and get cooking! <i>Need help? Check the library for a cook book!</i></p>	<p>Create blobs in a bottle! What factors do you think affected the reaction? <b>Pick up instructions from the library!</b></p>
<p>Create a gap that is about 12 inches across. Use different materials to create a simple bridge. How can you determine which bridge is the strongest?</p>	<p>Make ice cream in a bag! Note how the ingredients change. How important do you think it is that they are cooled to a certain temperature? <b>Check the library for instructions!</b></p>	<p>Cook up some juicy gel bubbles using agar powder! Make multiple batches to create different colors! <b>Pickup a recipe from the library!</b></p>	<p>Watch a movie about sports. How would you describe the different forms of motion? What needs to happen to move fast?</p>	<p>Build a balance scale using household materials. How will you create an equal balance?</p>
<p>A walk (or backyard adventure) becomes a game of find and seek when you look for nature's alphabet. Can you find something that resembles each letter?</p>	<p>Build your own catapult using items around the house. Test and measure which items were flung the farthest.</p>	<p>FREE  SPACE</p>	<p>Make an edible building with multiple floors. What do you need to do to ensure that the building is stable?</p>	<p>Create your own sundial by using materials found in your backyard!</p>
<p>Experiment with freezing different mixtures of water and salt. What do you notice about the amount of salt and the time it takes to freeze?</p>	<p>Build a pendulum by tying a weight on a string. What do you notice about the swing when you change the length?</p>	<p>Grow some seeds! What do you think a plant needs to grow and thrive?</p>	<p>Learn about an artist and paint something that inspires you!</p>	<p>Design and create a house using your imagination! What will you use to build?</p>
<p>Build your own bottle rocket and launchpad. Then get ready for takeoff! How high did your rocket fly? How far did it land? <b>Check the library for instructions!</b></p>	<p>Invent something new using recyclable materials!</p>	<p>Pick and read a STEM book or have someone read it to you! Not sure what to read? <b>Check out the recommendations at the library!</b></p>	<p>Keep a weather journal. Write and draw how the weather changes day by day!</p>	<p>Look for animal and bug habitats outside! What can you learn about them based on where and how they live?</p>