



STEM Summer Bucket List

33 Fun, Brain-Building Activities!

- Catch lightning bugs and learn about why they glow
- Use the SkyView app to find constellations
- Create your own Rube Goldberg machine
- Dissect a flower and learn about the different parts of the plant
- Bake your favorite treat and measure the ingredients
- Build DIY instruments and have a sing-a-long
- Fill a “bug zoo” with critters you find outside
- Have fun online with classic characters at pbskids.org/games
- Take pictures and turn them into a memory matching game by printing copies
- Combine art with outside exploration by drawing local plants
- Practice origami
- Take Blocks Rock! or another learning game to a local park and play
- Try to build the biggest block structure and watch gravity work when it falls
- Make oobleck (2 cups cornstarch, 1 cup warm water or find a recipe online)
- Visit a nearby children’s museum
- Create constellations using toothpicks and marshmallows
- See if you can spot any critters on a hike
- Make smores and watch how the heat changes the ingredients
- Learn about water ecosystems by going to a nearby lake or ocean
- Make ‘dancing raisins’ with clear sodas, raisins, glasses and water (for control)
- Have an egg drop competition (who can make a better egg parachute/protection)
- Create a fossil hunt in your backyard or a nearby park
- Run a lemonade stand and count the money, ingredients, etc.
- Plant fruits or vegetables in your backyard and watch them grow
- Find out when a meteor shower is likely to occur and keep watch
- Practice your math skills with snack subtraction and addition
- Sketch and build a model of your house with blocks and other available crafting tools
- Head to a nearby zoo and study up on your favorite animals
- Eat some ice cream and learn about why it melts in the summer sun
- Build a popsicle stick catapult and see who can launch a mini marshmallow the furthest
- Put food coloring and white flowers in different glasses of water and see how they change
- Buy some fun helium balloons and see how they deflate over time
- Play with the free Blocks Rock! 3D app and create new block structures

Sources for some of the activities:

<http://www.coffeecupsandcrayons.com/dancing-raisins-science-experiment/>

<http://lemonlimeadventures.com/engineering-egg-drop-project/>

<http://littlebinsforlittlehands.com/popsicle-stick-catapult-kids-stem-activity/>