

Beacon STEM Projects

Mrs. Smith

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Below you will find 15 different STEM activities. Choose one per week from any category to complete with a total of at least three. You can always do more if you want!

Turn in a picture of each project with a sentence explaining your project and which part of STEM (Science, Technology, Engineering or Math) it was from. You can email it to me or send it through Class Dojo.

Math Monday	Outdoor Tuesday	Science Wednesday	Engineering Thursday	Fun Friday
Play some basketball! Measure how many baskets you make out of 10. Calculate your percentage accuracy.	Time to explore the night sky! Download a star app like Star Walk. Can you find a planet or constellations?	Scientists want to understand the world around us. Ask 5 WHY or WHAT questions to learn more about something in nature.	Engineers solve problems to improve our lives. Brainstorm an invention that can improve your life.	Play a family game like Monopoly that uses critical thinking and math skills.
Help your family with grocery shopping. Determine the budget and select items without going over. Don't forget about tax!	Can you cook using the heat of the sun? Learn how to build a solar oven: bit.ly/vivifysolaroven	Create your own experiment using baking soda and vinegar.	Use different materials to protect a water balloon from popping. Go outside and test by throwing against a wall or tree.	Draw out your ideal future city. What areas will keep citizens healthy and happy? What laws would you enact?
Help an adult with dinner by measuring ingredients. How would you double or halve the recipe?	Find a quiet place in nature. Bring a journal and record everything you see.	Place a small ball on top of a large ball and drop them together. Watch how energy is transferred!	Design and build a catapult with household items. Test your accuracy and power by knocking over a tower of cups.	Make a greeting card using 3-D popup art.