77 (MORE) Simple STEM Activities for Families

- ✓ Create a treasure hunt with a map & clues
- ☐ Learn to identify trees by their leaves
- ☐ Read a book with a STEM theme
- ☐ Make the alphabet from sticks or other natural items
- ☐ Make your name or words out of recycled materials
- ☐ Interview a relative using storycorps.org
- ☐ Take your bike apart and put it back together it
- ☐ Make something from old puzzle pieces
- ☐ Watch *Hidden Figures*
- ☐ Make a LEGO maze
- ☐ Test objects in your house to see if they float or sink
- ☐ Write instructions to make a sandwich & let someone follow them exactly
- ☐ Use the cards A-10 & play *War*, but see who can add, subtract, or multiply fastest
- ☐ Play Battleship
- ☐ Build a paper airplane launcher
- ☐ Build a fort using couch cushions & blankets
- ☐ Plant some flowers
- ☐ Make something useful from duct tape
- ☐ Invent something to solve a problem in your home
- ☐ Make “rubber stamps” out of cardboard & pasta
- ☐ Learn to solve a Rubik’s Cube
- ☐ Write your own book, including drawings & cover
- ☐ Rearrange furniture in a room to improve function & movement in the room
- ☐ Track & graph your high score in a game
- ☐ Make ice cubes from various liquids & see how long each takes to freeze
- ☐ Make dinner for your family
- ☐ Determine how much waste there is from cooking a meal
- ☐ Invent your own musical instrument
- ☐ Try making gears using the website gearsket.ch
- ☐ Create a secret code using a shift or “Caesar” cipher
- ☐ Pick a word & see how many other words you can make from the letters
- ☐ Measure & graph temperature or rain totals
- ☐ Draw your own comic book
- ☐ Make a time capsule to open in 10 years
- ☐ Make artwork using shaving cream, food coloring, & a toothpick
- ☐ Plant a butterfly garden
- ☐ Invent a toy for your pet
- ☐ Watch *Cloudy with a Chance of Meatballs*
- ☐ Freeze a small toy or coin in water & make a time-lapse video of it melting
- ☐ Put different amounts of water in class containers & tap gently to make music
- ☐ Make paper airplanes using foldnfly.com
- ☐ Try sprouting a carrot top, dried bean, or fruit seed
- ☐ Put some dirty pennies in vinegar
- ☐ Put celery or flowers in water that contains food coloring
- ☐ Learn bird calls
- ☐ Build the tallest tower with 1 piece of paper & tape
- ☐ Turn an old book into a secret hiding place
- ☐ Learn to cook a new recipe or invent your own
- ☐ Observe the moon each night & take pictures to make a time-lapse video
- ☐ Measure things with a tape measure
- ☐ Build a model city with items in your house
- ☐ Make a bird feeder using a pinecone, suet, & birdseed
- ☐ Count how many & what type of birds come to your birdfeeder
- ☐ Make a mini-golf course
- ☐ Read a book & make a “book trailer”
- ☐ Paint rocks with encouraging words
- ☐ Weave a bracelet
- ☐ Learn about a STEM career
- ☐ Write a story, act it out with your family, & record it
- ☐ Make a sundial
- ☐ Invent a board game using bottle caps or other small items as pieces
- ☐ Draw something with isometric dot paper
- ☐ Make a slow-motion video of something in nature
- ☐ Learn to fold cloth napkins
- ☐ Make bread using yeast
- ☐ Draw 20 circles & turn each into something (pizza, planets, wheels, etc)
- ☐ Build something using toothpicks or straws
- ☐ Practice coding using Scratch or code.org
- ☐ Learn to crochet or knit
- ☐ Make your own tangrams
- ☐ Learn how cellphones work
- ☐ Draw a detailed map of a room in your home
- ☐ Learn to sew
- ☐ Make something from an empty toothpaste tube
- ☐ Look at the clouds
- ☐ Learn about the history of technology in your area
- ☐ Make cardboard automata (movable sculpture)

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