



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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