



# 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](http://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](http://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](http://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](http://Scratch) or [code.org](http://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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