



# 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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