



# 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)



Chris Woods @dailySTEM  
[dailystem.com/resources](http://dailystem.com/resources)

