

# 77 Simple STEM Activities for Families

- ✓ Take a walk in the backyard
- Go to a museum
- Buy something at a garage sale & take it apart
- Fix a broken toy (instead of throwing it away)
- Take a calculator to the grocery store & find the best prices
- Use a big cardboard box to create a rocketship
- Play a card game that involves numbers
- Play Connect 4
- Play Checkers
- Play Chess
- Get an old microscope & look at stuff
- Plant some seeds & record their growth
- Pop the hood & look at a car's engine
- Create your own board game
- Make the best LEGO car/building/ship ever
- Take pictures of nature & turn them into postcards
- Make slime or goo or oobleck
- Bake a cake or cookies from scratch
- Learn to recognize trees from their bark
- Learn to code games using Scratch
- Figure out how much paint is needed to paint a room
- Make a blueprint of your house
- Watch Mythbusters
- Make your own "Mythbusters"
- Create a stop-motion video using LEGOS or clay
- Read a biography of a scientist
- Watch an episode of How Its Made
- Use a magnifying glass to search the ground for bugs
- Use a magnifying glass to start a fire
- Read the news & look for numbers
- Read the news & look for science
- Interview a Senior Citizen about their experiences with STEM
- Learn to use a compass (either kind)
- Make art using leaves
- Fix a bike
- Ask a friend who owns a business for a tour
- Do a science simulation on [www.phet.colorado.edu](http://www.phet.colorado.edu)
- Create something using [www.instructables.com](http://www.instructables.com)
- Search YouTube for "King of Random" and try one of his projects
- Watch Big Hero 6
- Watch Swiss Family Robinson
- Put together a puzzle
- Make your own puzzle
- Invent something
- Make a "How-To" video
- Have a paper airplane competition
- Play Yahtzee
- Visit an antique shop
- Build a survival shelter in the woods
- Go camping
- Watch a sporting event and keep statistics
- Plant a garden
- Weed a garden & identify the weeds
- Go rock hunting
- Design & build mini boats to float down a river
- Visit a farm
- Start a business
- Build a solar oven & cook something
- Make a time-lapse video of something in nature
- Make a green screen video
- Play Monopoly
- Look at the stars
- Try origami
- Draw a picture using only circles, triangles, & rectangles
- Take pictures of all the shapes in your house
- Build something using popsicle sticks or pipe cleaners
- Count all the money in your change jar
- Learn to type
- Look for numbers while driving in the car
- Make a raft from empty water bottles & jugs
- Build something using pulleys
- Build something using gears
- Use a lever to lift something heavy
- Build an hourglass
- Weave something
- See who can cut out the most creative snowflake
- Build a Rube Goldberg Machine

