

# HOME-LEARNING STEAM ACTIVITIES

- Take a walk around your garden
- Do a minibeast hunt in your garden
- Fix a broken toy (instead of throwing it away)
- Take a calculator to the local shop & find the best prices
- Use a big cardboard box to create a rocket-ship
- Play a card game that involves numbers
- Make your own Top Trumps Cards
- Play Connect 4
- Play Checkers
- Play Chess
- Play board games
- Get an old microscope & look at stuff
- Plant some seeds & record their growth
- 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
- Bake a cake or cookies from scratch
- Learn to recognise trees from their bark or leaves
- Learn to code games using Scratch
- Figure out how much paint is needed to paint a room
- Make a map/plan of your house
- Create a stop-motion video using LEGOS or clay
- Read a biography of a scientist
- Watch an episode of How It's Made
- Use a magnifying glass to search the ground for bugs
- Read the news & look for numbers
- Read the news & look for science
- Interview a family member about their experiences with STEAM
- Learn to use a compass (either kind)
- Make art using leaves
- Fix a bike
- Wash your car
- 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 a film and identify any technology or science
- Watch a film and discuss the characters
- Put together a puzzle
- Make your own puzzle
- Invent something
- Make a "How-To" video
- Have a paper airplane competition
- Build a survival shelter in your house/garden
- Watch a past 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 or in the bath
- Start a business
- 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 lolly 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
- Find out about famous scientists
- Make a poster about a famous inventor
- Make a bouncy ball
- Make a penny bridge
- Make a bridge from newspaper and text how much weight it will hold
- Make a worm habitat and watch them settle in
- Make bread and watch it rise
- Try new foods
- Heat chocolate and ice, what happens

We look forward to hearing about your activities and seeing some in action on your Google Classroom Area.



*These are just a few great Home-Learning STEAM Activities that children can enjoy. There are many more amazing STAM activities available online that you can explore. Google STEAM FAMILY ACTIVITIES... and enjoy the world of curiosity! <https://www.STEAM.org.uk/> is a great place to start.*