

P1 STEM Home Learning Ideas

Science:

Earth Hour is on 28 March at 8:30pm when we try to turn off as many electrical appliances as possible. Talk about things in your house that use electricity. What could you switch off that you don't need?

Floating and sinking – at bathtime or in the sink, investigate different objects around your house e.g. fruit and veg, to find out if they float or sink. Make predictions before you test. Test different materials e.g. foil, paper, card and see if you can make shapes that float and shapes that sink.

Food technology: Put the foods into the correct food groups <http://fss-eatwellguide.scot/>

With an adult: Play this online game and discuss:

<https://www.foodstandards.gov.scot/education-resources/crazy-kitchen>

Coding:

Use Scratch Junior to create an animation of your favourite story or make up your own story <https://www.scratchjr.org/> - free app download on iPad or Android

Activities for beginners here: <https://www.scratchjr.org/teach/activities>

Engineering STEM Challenge:

Using recycling and scrap materials, create a parachute for a small figure or lightweight toy.

Create a bridge from Lego, bricks or other materials such as recycling. How much weight can it hold? Try adding more rules such as the bridge must be as wide as a book or carry a certain weight such as 3 blocks.

Invention:

Invent and draw a robot that can do a job in your house. Remember an invention has to be something new or something better than we already have. You could build a model of your invention.

STEM in the news:

Watch Reach Out Reporter <https://www.reachoutreporter.com/>. Choose your favourite news story. Can you find out more about it and perform a news report at home?