

STEM Home Learning Activities for P5/6/7



Using a stop motion app ("Stop motion Studio" but any app will be fine) and using a few different objects or toys, create a stop motion movie. Base it around a particular ecosystem – artic, desert, rainforest etc.

What do I need?

iPad or Smart phone,
Toys/objects from home

Research some famous landmarks and look at their structure. Can you replicate this using Lego? Is there another material that would work better than Lego?

What do I need?

Lego



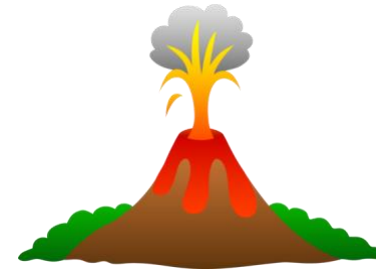
Make your own bath bomb and relax in the tub!

Instructions



Build a model volcano. Can you make it erupt?

Instructions



Research some famous scientists and make a leaflet or poster showcasing their achievements

What do I need?

Internet access
Paper

Experiment with freezing different mixtures of water and salt. What do you notice about the amount of salt and the time it takes to freeze?

What do I need?

Water
Salt
Freezer
Suitable container

Louis Braille wanted to make reading easier for other blind people, so he created a code using raised dots. Can you write a message in Braille?

What do I need?

Internet access to look up Braille alphabet

Paper

Pencil

Find the definition to the word "evolution". Can you find examples of animals or plants which have evolved over time to adapt to their surroundings? Create a Powerpoint or Google Slide presentation

What do I need?

Internet and computer access

Research the solar system and make a PPT with one slide per planet. Make a model of the solar system – consider size and scale of the planets.

What do I need?

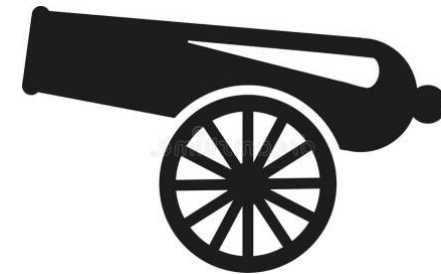
Recyclable materials

Internet and computer access



Make a 'Rubber Band Cannon'

Instructions



Make a structure that would protect a raw egg from falling without breaking from a height of 1 metre.

What do I need?

Raw egg

Materials around the house

Experiment with paper aeroplane designs. Which one is best and flies the furthest?

What do I need?

Paper



The biscuit dunking experiment!

[Instructions](#)



Do an Hour of Code. Visit the website and choose a coding activity to complete.

<https://code.org/learn>

