

STEM Home Learning Activities for P3/4



Make your own lava lamp.

Instructions



Build some famous landmarks out of Lego – how much blocks did you use in total?

What do I need?

Lego



Make your own bath bomb and relax in the tub!

Instructions



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.

What do I need?

Tablet/Smart phone, Stop motion app, toys

Make a boat that can really float – how much weight can it hold?

What do I need?

Recyclable materials

Suitable weights



Build a car or house entirely out of edible materials. Consider having an edible car race.

What do I need?

Variety of food

Take apart a click-to-write pen to see if you can get a closer look at the mechanisms that make it work.

What do I need?

Click to write pen.



Using only paper or index cards, design a tall tower that can support an object. What object will you try to support?

What do I need?

Paper or index card
Object for weight

Investigate what would happen if you planted some seeds and kept the pot in the dark. What would happen if you kept another pot in the fridge? Keep a daily diary of what happens.

What do I need?

Seeds (from apple core is fine)
Yoghurt pot, Mud, Paper, pencil

Can you grow a plant which you can eventually use to cook with?

What do I need?

Seeds (from apple core is fine)
Yoghurt pot
Mud
Paper pencil



Investigate with water. How long does water need to be in the freezer for before it becomes a solid? Would adding salt to the water change the results?

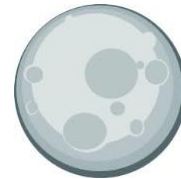
What do I need?

Water, Clock, Salt
Suitable container, Freezer

Using an iPad or notebook, keep a diary on how the moon changes every night. Does it move position? Does it change shape?

What do I need?

iPad
Notebook



Make a model of the human skeleton and body using only edible materials.

What do I need?

Suitable edible materials at home – kids can be creative

Investigate how solids dissolve in water using things in your kitchen cupboard. Which solids dissolve the best? Does it change by adding heat or stirring?

What do I need?

Water
Powders to dissolve – sugar, salt, gravy granules, coffee.