



# SCIENCE AT HOME

Fun activities you can do at home.

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# Light and Dark

- We made a fun torch activity using toilet roll tubes. We stuck cellotape over one end then we stuck stickers on top and put a torch inside and explored the different sizes and shapes we could make.
- You could use cling film and cut out paper shapes instead.
- You could also explore the shadows you can make with your torch and your hands and make shadow animals.



# Floating and Sinking

- Explore floating and sinking using a variety of containers you have at home.
- Make a prediction as to which ones will float and which ones will sink.
- Test out which ones float and which ones sink.
- Try adding a toy to see if they still float.

Float



Sink





# Magnets

- Play with magnets and test out a variety of objects around your home to see which ones are magnetic.
- Make predictions as to which items will be magnetic.



# Chemical Changes - Cooking

- Explore chemical changes that occur by cooking a recipe.
- Look at the differences before and after cooking.
- Find this Fairy Cake recipe at:

<https://www.bbcgoodfood.com/recipes/iced-fairy-cakes>



# Chemical Changes - Volcano

- Make an erupting volcano in this experiment to explore chemical changes.
- Ingredients:
  - *Plastic cup*
  - *Water*
  - *3-4 Tablespoons Baking Soda*
  - *1 Teaspoon of washing up liquid*
  - *2 ounces of washable paint*
  - *8 ounces of vinegar*
- Instructions:  
<https://preschoolinspirations.com/easy-baking-soda-and-vinegar-volcano-eruption-for-kids/>





# Physical Changes - Ice

- Explore ice!
- You can freeze a variety of things e.g: Lego characters, flowers, pompoms or you could make a sensory tray with ice cubes and a variety of toys.
- See what makes your ice melt quickly. Try warm water, salt, vinegar etc.
- See if you can stop the ice from melting!



# Physical Changes - Gloop

- Explore solids and liquids by making gloop.
- Ingredients:
  - 2 cups of cornflour
  - 1 cup of water
  - Food colouring
  - Large bowl or container
- How to make:
  - Place the cornflour in the bowl, add a few drops of colouring in the centre, get your child to pour in the water. Mix the water in to the ingredients and play with the gloop to mix it together.
- Explore how it feels! Is it solid or liquid.





# Growing - Seeds

- Plant some seeds and watch them grow.
- If you don't have a packet of seeds you can for example plant apple pips or seeds from the inside of a pepper.
- You can use plant pots or you can also use a variety of household containers instead.
- Water your seeds and watch them grow!



# Minibeast Hunt

- Go on a minibeast hunt in your garden.
- Make a check list and tick off the items you have seen.
- Look at the different features of the minibeasts you find. Count their legs and spots.
- Twinkl has a good minibeast chart you could print to use or you could make your own!





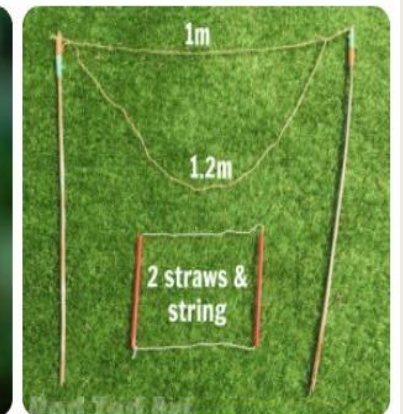
# Giant Bubbles

- Make giant bubbles to play with.
- Ingredients:
  - 1 litre of hot water
  - 250ml (1 cup) washing up liquid
  - 2-4 tablespoons glycerine
- Mix ingredients together and leave overnight.
- Make a bubble wand from straws and sticks.
- For details see:

<https://www.redtedart.com/bubble-recipe/>



## GIANT Bubbles







Have Fun!!!