

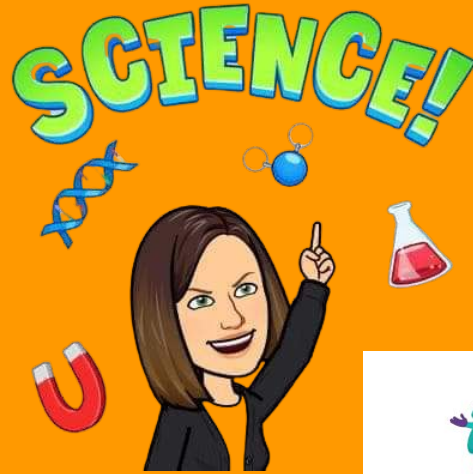
Mrs Theobald-Beaumont
Mini Science Topic
Years 1 to 6



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Watch this episode of Messy goes to Okido to see him find out how a rainbow is made!

[What makes a rainbow? - CBeebies](#)



Watch this video from the MET office explaining how a rainbow is made

[How do rainbows form?](#)



Met Office

Colour a rainbow of you! (link to slide 51 with image of doc on)



Dr Binocs shows you how a rainbow is made here!

[How Is A Rainbow Formed | The Dr. Binocs Show | Learn Videos For Kids](#)

Try and make a rainbow (link to slide 52 with activity cards on)

Try Rainbow breathing mindfulness
[Rainbow Breath - Flow | GoNoodle](#)



Learn more about reflection and refraction (link to slide 53) and make a prism rainbow (link to slide 54)

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A Rainbow of Me

Make a rainbow all about you!

The Colour of My Eyes

My Favourite Colour

The Colour of My Hair

The Colour of My Friend's Eyes

The Colour of My Bag

The Colour of My Favourite T-shirt

The Colour of My House

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Can You Make a Rainbow? Activity Cards

You will need:

- a glass of water
- a piece of white paper
- a torch



Place the glass of water on the paper. Shine the torch through the glass and keep moving it around until you see a rainbow appear on the paper.

Can You Make a Rainbow? Activity Cards

You will need:

- A prism or a crystal
- A torch
- A piece of white paper



Put the prism or crystal on the paper. Shine the torch on to it. You may need to move it around a bit to make a rainbow on the paper.

Can You Make a Rainbow? Activity Cards

You will need:

- A spray bottle filled with water



You need to do this on a sunny day. Take your bottle of water outside. Then, spray the bottle so you have a mist of water coming out. The water will catch the sunlight and you should see a rainbow.

Can You Make a Rainbow? Activity Cards

You will need:

- A CD



Angle the CD so light is shining on it. It can be sunlight or light from a ceiling light.

Can You Make a Rainbow? Activity Cards

You will need:

- Bubble mixture
- A bubble-blowing wand



Use your wand to blow some bubbles. If you look closely, you may be able to see rainbows in some of the bubbles.

Can You Make a Rainbow? Activity Cards

You will need:

- Fruit of different colours cut up into chunks (you will need a grown-up to help you cut up the fruit)
- A straw



The colours of the rainbow are red, orange, yellow, green, blue, indigo and violet. Make a fruit kebab using as many colours of the rainbow as you can in order.

Can You Make a Rainbow? Activity Cards

You will need:

- A glass bowl
- Water



You need to do this on a sunny day. First, fill the bowl with water. Then, put the bowl on a sunny windowsill. Move the bowl around until it catches the sun. A rainbow should appear on the ground.

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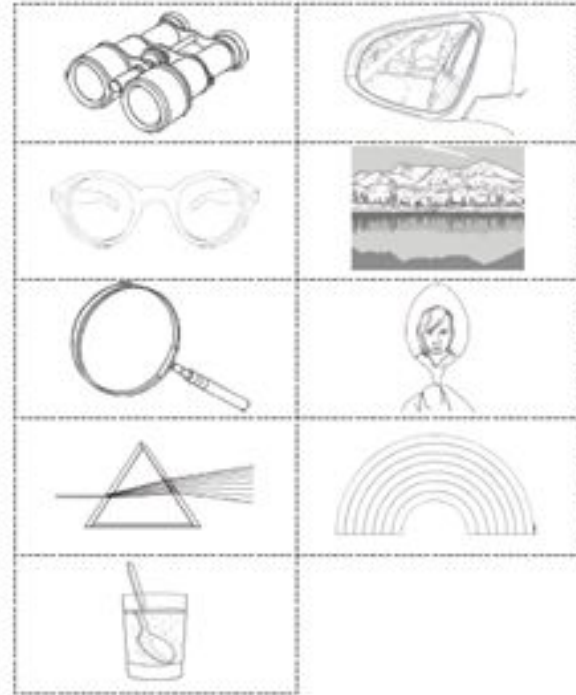
Refraction and Reflection

Sort the pictures below and glue them onto the table.

Think!

Give reasons why you classified each picture as reflection or refraction.

Reflection Light bounced back from a surface	Refraction Bending light when its rays pass through it



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Awe and Wonder Prism Rainbows

You will need:



Large white bed sheet



Clear glasses or plastic



Water



Table



Torch or lamp



Method:

1. Put the white sheet spread out on the floor next to the edge of the table.
2. Put the glasses on the table and fill to different levels with water.
3. Put the glasses so they are just hanging over the edge of the table towards the sheet.
4. Behind the glasses, shine your torch or lamps, make sure they shine through the base of the glass.
5. What can you see on the white sheet?
6. What colours can you see?
7. What happens when you move the light?
8. What happens to the rainbow when there is more water? Or less water?

The Science Bit

White light is made up of all the colours in the rainbow. When the white light from your torch travels through the water, it bends. Instead of being one beam, it bends into all the different colours that make it up. Water is denser than air so it makes the light bend instead of staying straight.

