



Spectacular Spectrum

I can understand how a prism affects a ray of light.

I can explain what this tells us about the visible spectrum

I can make my own colour wheel and explain what it shows about light.

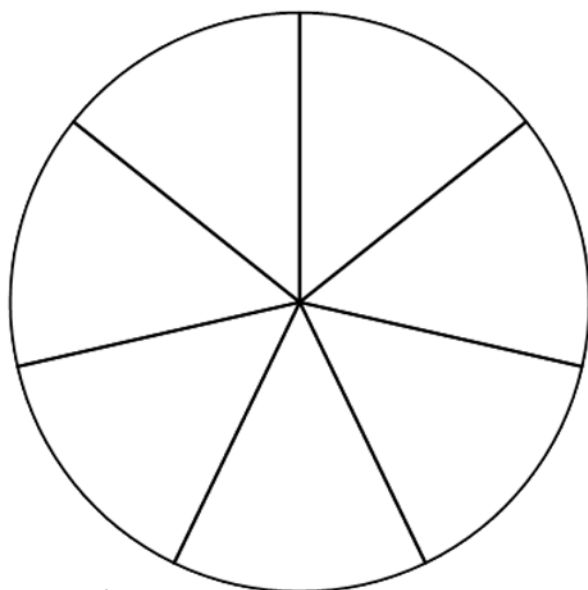


You shone a ray of light through a prism. What happened? Draw or write about what you observed. Can you explain why this happened.

Use the instructions below to create your own colour wheel. What do you predict will happen when you spin it?

Why have you made this prediction?

Try it! Make the colour wheel then use the string to spin it. What happens? Draw or write about it below. Was your prediction correct? Can you explain why this happens?



Colour Wheel Instructions

1. Colour each section a colour from the spectrum - the first section will be red, the next one will be orange, then yellow etc.
2. Cut out your colour wheel and draw around it on some cardboard.
3. Cut out the cardboard circle, then stick your colour wheel to it (colours facing out so you can see them!)
4. Make 2 small holes near the centre of your colour wheel.
5. Thread a 1m length of string through the holes, and tie the ends together.
6. Move the wheel along the string so it is in the middle.
7. Turn the string over again and again, like you would turn a skipping rope.
8. Pull the string tight to make the wheel spin!