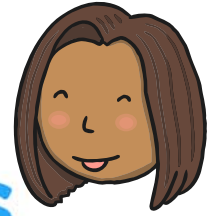
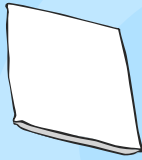




Awe and Wonder Prism Rainbows



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.

