

Science : How to make a Rainbow

This week we will be looking at the people who work in the hospitals. So in science we will be looking at how to make a rainbow. This is the symbol that we are using to show our support for those people who work in the hospital.

What makes a rainbow?

Find out what the different colours of the rainbow are. Maybe you can find them in the science experiments below.

Making rainbows with mirrors and water You will Need:

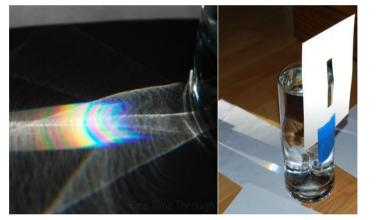
A large bowl, water, a small mirror, a sunny day or a torch, some sheets of white paper, tape, scissors and a glass of water



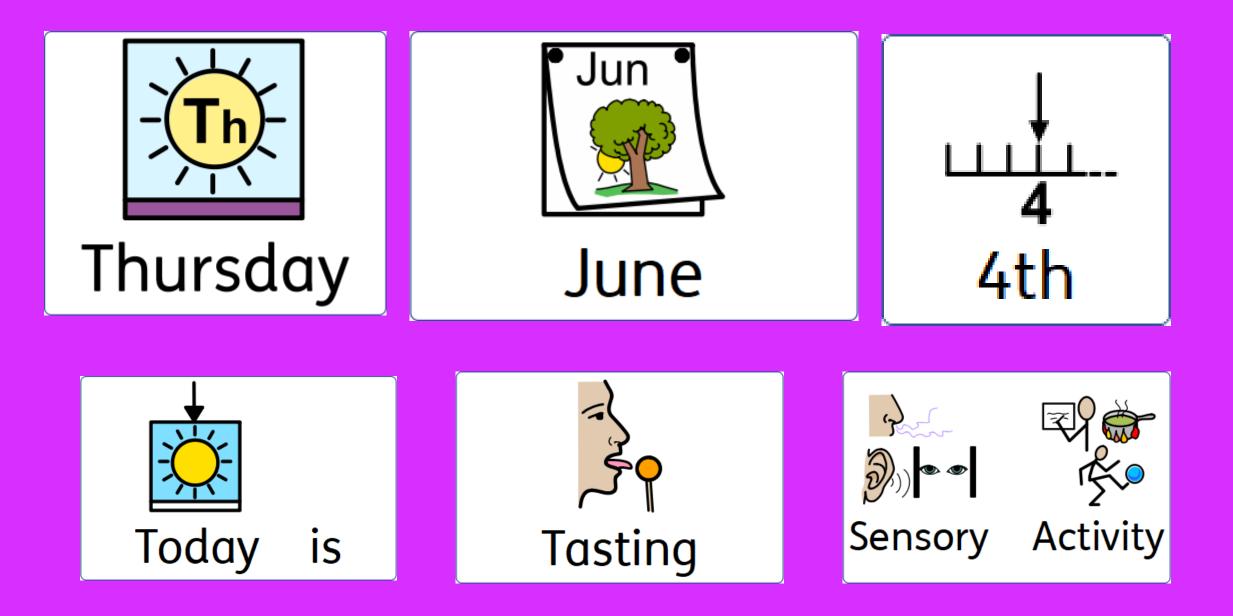
Method 1:

- Fill a large bowl half way with water and prop up the mirror inside to make your 'Rainbow Maker'. Make sure that the mirror is half in the water and half out of the water.
- Either use the rainbow maker near a sunny window with the direct light coming in so that it hits the mirror, or ٠ use a torch from your phone or a normal battery torch.
- Play around by holding a large white piece of paper above the mirror/rainbow catcher, to catch the rainbow. ٠
- What happens if you move the paper closer to the mirror?
- What happens if you move the paper further away from the mirror?

Method 2:



- To get ready take a piece of paper and cut a slot into the middle of it.
- Tape this onto the side of a smooth/clear drinking glass so that the sun's rays can pass through the opening
- Make sure that the glass of water is VERY FULL.
- Place the glass on a white floor or white piece of paper, making sure the sun's rays are shining through the slot in your paper and hitting the surface of the water.
- If it is not a sunny day you may need to darken the room and use a torch.
- What colours do you see?
- Does your rainbow look same as the rainbows that you see in the sky?



Sensory Activity: Tasting Rainbow Food.

For this you will need:

Cupcake cases or coloured bowls or plates.

Pick 3 coloured foods that you know your child likes to eat, for example grapes, blueberries, cherry tomatoes. Pick 3 coloured foods that you know your child might like, for example carrots, mango, pineapple.

What to do

- Chop up each of the different rainbow foods.
- Match the different colours to each of the different foods.
- Try eating the different foods together.
- Add some of the newer foods to lunchtime or snack time.
- Try again with completely different rainbow foods.
- **<u>Extension</u>** Try making the Rainbow cakes or just decorating them.
- (see recipe on Friday)



