



In Year 7 you will spend the year learning about Movement, Particles, Energy, Cells, Separating mixtures, Current, Variation, Sound, Earths structure, Interdependence, Acids and Alkalis, Speed and Voltage and Resistance. we will be carrying out lots of experiments in the laboratories. There are some practical's you can do at home.

### Investigating salty seas

#### Equipment

- Jug or a glass
- Water
- Spoon
- Salt
- Egg

#### Instructions

- Fill the jug with water and place the egg in.
- Add in a teaspoon of salt and stir.
- Add a little bit of salt and stir again.
- Can you get the egg to float in the



Why do you think people float in the Dead Sea (HINT: its very salty water)

.....

.....



Leave the glass of salty water near the window.

What happened to the water? .....

What happened to the salt?.....

### Don't melt the ice!

#### Equipment

- Cup or glass
- Ice cubes
- Stopwatch
- Material (e.g. Tea towel, toilet roll, cotton wool, bubble wrap, foil)

#### Instructions

- Put the material into the mug
- Put the ice cube into the centre
- Time how long it takes to fully melt



Material	Time for the ice cube

Which material was the best at stopping the ice cube from melting?

.....

When the ice cube went into the mug was it a solid, a liquid or a gas? .....

When the ice cube melted was it a solid a liquid or a gas? .....