

Year 4 STEM (Science, Technology, Engineering & Maths) Knowledge Organiser

Key Vocabulary

Predict	To make an educated guess about what might happen.
Conclude	To make a decision based on research or results.
Investigate	To study by close examination.
Liquid	A state of matter.
Surface tension	The force present within the surface layer of a liquid that causes the layer to behave like an elastic sheet.
Cohesion	The force of attraction between the molecules (the action of sticking together).
Sustainability	Is providing the best for people and the environment both now and in the indefinite future.
Conserve	To save or protect something.

Why is water important?

Water is important to us as all animals and plants need water to survive. The human body is $\frac{3}{4}$ water.

What do we use water for?

- drinking
- bathing
- showering
- washing clothes
- watering plants
- energy
- water fountains
- cooking
- cleaning



Clean, fresh water is a limited resource. We use water every day of our lives, it is required in almost everything we do. Out of the 70% of the water that is available, only 0.03% is made up of fresh water.

In a typical household, more than 6,300 gallons of water are wasted each year.

How can we conserve water?

- Turn off the tap when we brush our teeth.
- Take shorter showers.
- Use rainwater to water the plants.

