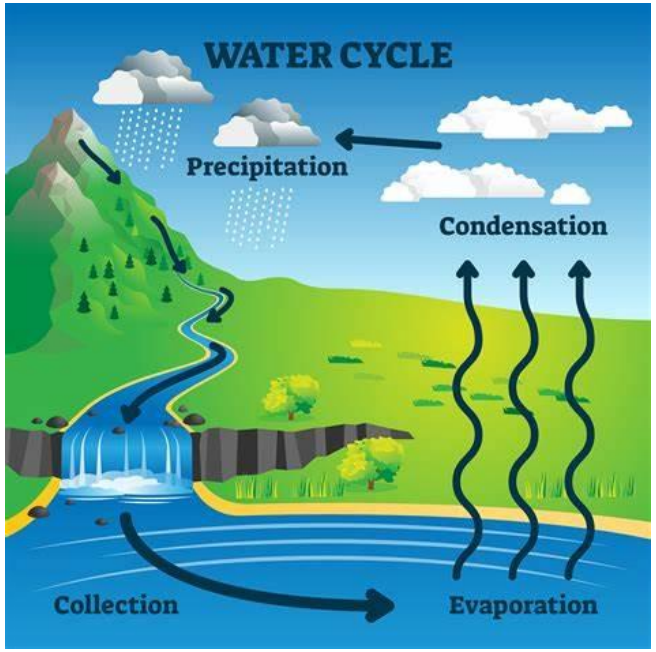
Geography

How does water bring fullness to life?

Year 4 **Spring 1**

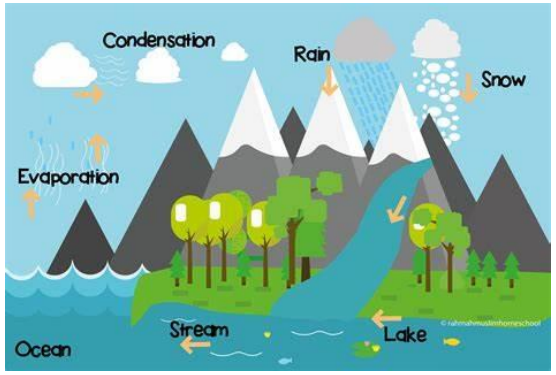
What is the water cycle?



What happens in the water cycle?

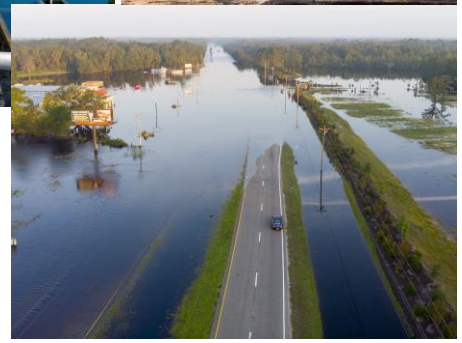
When too much water has condensed, the water droplets in the cloud get too heavy and fall back down as rain, snow, sleet and drain back into rivers etc. This is known as precipitation. This is the water cycle.

How is different weather created in the water cycle?



Enquiry and Investigation- How does water bring fullness to life?

Why is our drinking water treated? Why do floods happen?

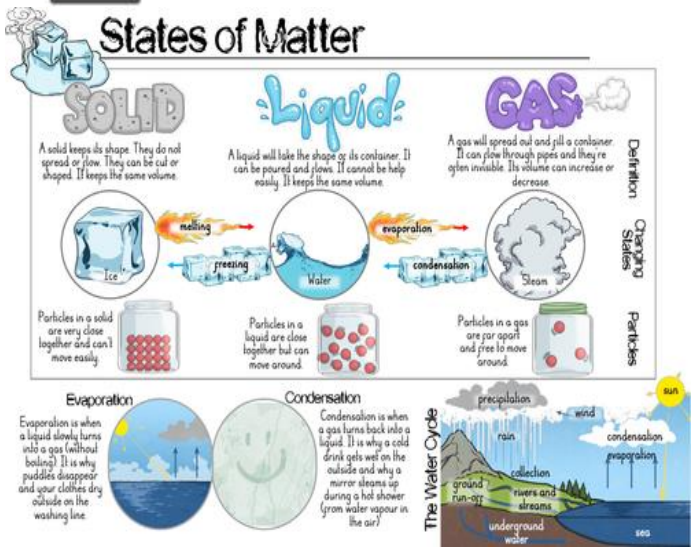


Key Vocabulary

Water vapour	**Water** in the form of a gas. **Water vapour** is invisible and should not be confused with steam, which is actually lots of tiny droplets of **water**
Precipitation	Precipitation is water vapour or moisture that falls from the clouds in the form of rain, sleet, snow or hail
Evaporation	This is the process where a liquid turns to gas within the water cycle. Water will slowly evaporate into water vapour in the air.
Condensation	This is when a gas turns into a liquid. This happens when water vapour in the air touches a cold surface

Water in our world

Science



In Science this half-term, Year 4 will be learning about States of Matter.

Children will compare and group materials according to their properties. Whether they are solids, liquids or gases.

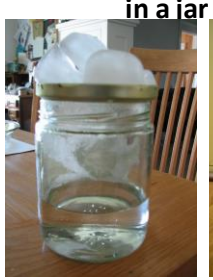
They will observe how materials change state when heated or cooled.

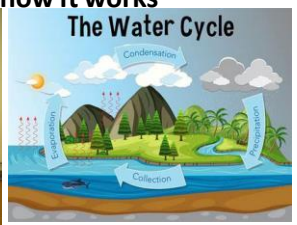
Year 4 will also learn to understand the part evaporation and condensation plays in the Water Cycle.

Key Vocabulary

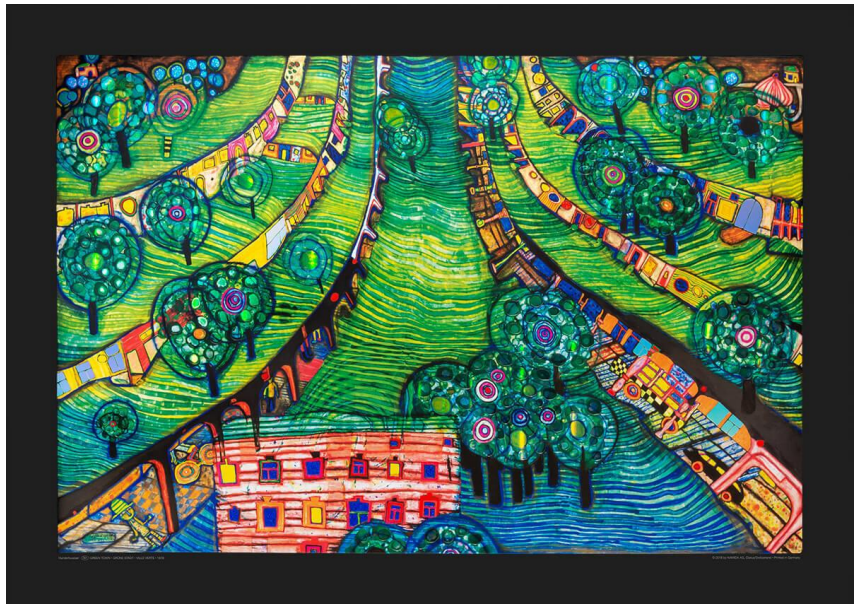
Key Word	Definition
Solid	has a fixed shape
Liquid	changes in shape to fit the container, can be poured
Gas	fills all available space
Boiling	a change of state from liquid to gas that happens when a liquid is heated and bubbles of the gas can be seen in the liquid
Freezing	a state change from liquid to solid
Evaporation	same state change as boiling (liquid to gas) but it happens slowly
Condensation	the change back from a gas to a liquid caused by cooling
Melting or boiling point	the temperature at which something boils or melts
State Change	the change from one state(solid or liquid or gas) to another without a change in chemical composition

For our great works, we will be creating the water cycle in a jar and explaining how it works





Art



In this learning theme, we will be looking at the work of Hunderwasser and learning the skills of printing and building on our drawing skills.