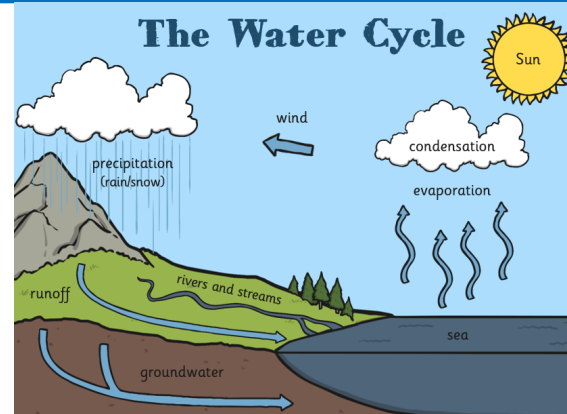




Vocabulary I need to know

evaporation	The process that changes liquid water to gas.
freezing	Turning to solid as result of extreme cold.
condensation	water which collects as droplets on a cold surface when humid air is in contact with it.
Water Cycle	The continuous movement of water
Precipitation	Rainfall
Groundwater	Water that has soaked into the ground.
Stratus/Strato	Flat or layered, smooth cloud
Cumulus/cumulo	Heaped up and puffy cloud (like a cauliflower)
Alto	Medium level cloud
Nimbus/nimbo	Rain-bearing cloud



Things I already know before I start the journey

Know and understand geographical similarities and differences in human and physical geography of Poole and Naples.

Understand the origin and main features of volcanoes and earthquakes.

Things I need to know by the end of the journey

I know the temperatures at which water freezes and boils.

I know the processes of the water cycle.

I know how rain falls and why clouds form.

I know how and why drinking water is cleaned

I know causes and effects of flooding

I know ways to limit flood damage

I know some of the causes of water pollution

I know the ways water pollution affects plants and animals.

LO: Explain the three states of matter	LO: Explain the key aspects of the water cycle	LO: Explain how clouds and rain are formed	LO: Explain how and why drinking water is cleaned	LO: Explain the causes and effects of flooding	LO: Explain and report on the effects of water pollution
Know how to change a solid into a liquid. Know how to turn a liquid into a gas. Know how water changes. know the temperatures at which water freezes and boils.	Know the main events in the water cycle. Know where the processes of evaporation and condensation occur in the water cycle. Know that the water cycle keeps going. Know why the water cycle is a closed cycle.	Know that changes in temperature cause evaporation and condensation. Know what the words condensation and precipitation mean. Know what the words evaporation and condensation to mean. Know some different types of clouds.	Know why water needs to be cleaned before drinking. Know ways to remove dirt from water. Know some of the steps involved in cleaning water.	Know different types of flooding. Know what causes flooding. Know some of the ways flooding affects communities. Know ways to limit flood damage.	Know some of the causes of water pollution. Know the effect of water pollution on drinking water. Know some of the ways water pollution affects plants and animals. Know some ways to reduce water pollution.
Outcome: write an explanation for the process of evaporation, condensation and freezing/melting.	Outcome: draw and label the key aspects of the water cycle and write an accompanying paragraph explaining the process of the water cycle (water cycle experiment)	Outcome: children to carry out cloud making experiment and write an explanation on why this works and what they saw, using key vocabulary.	Outcome: written explanation of how and why water is cleaned before drinking.	Outcome: safe, repair or ruined activity. Write an explanation for how we can reduce risk of flood damage.	Outcome: marine pollution report, researching and writing up a report on the effects of pollution.