

Summer 2		Lostwithiel Primary School	YEAR 4/5 Maple Class
Human and Physical Geography - Energy and the Water Cycle		Geography Knowledge Organiser	
Prior Learning <ul style="list-style-type: none">• Children will understand the fundamentals of changing states of matter (science - evaporation and condensation)• Children have studied settlements, land use and requirements for this (Year 3)			
Key Geographical Learning <ul style="list-style-type: none">• The water cycle is the continuous journey water takes from the sea, to the sky, to the land and back to the sea.• Evaporation occurs when the sun heats the water and the water becomes water vapour.• Condensation occurs when the water vapour cools and forms water droplets as clouds.• Precipitation occurs when water vapour cools and falls to the earth as rain, hail or snow.• Run-off occurs when water is not absorbed in to the ground and flows towards the rivers and seas.• Water is a natural resource along with fuels, minerals and food.• Coal, oil and gas are all fuels that can be burned to release energy, but are non-renewable sources. Nuclear power is also non-renewable but is not natural• Renewable energy sources include solar, wind, geothermal, biomass and hydro power			
Geographical Skills <ul style="list-style-type: none">• Locate the world's countries, using maps to focus on North and South America• Describe and understand key aspects of physical geography, including the water cycle			
Key Vocabulary			
Precipitation	Rain, snow or hail that falls to the ground.		
Groundwater	Water held underground in the soil or in pores and crevices in rock		
Runoff	The draining away of water from the surface of an area of land.		
Closed cycle	A system of production that reuses the same resource over and over again.		
Evaporation	When a liquid is heated up and turns into a gas		
Generation	The production or creation of something		
Efficient	Achieving maximum productivity with minimum wasted effort or expense		
Natural Resources	All the things found in nature that we find useful		
Cross-curricular Links <ul style="list-style-type: none">• Science—Living things and their habitats• DT- Cooking			
Linked documents: Class Overview, History Whole School Progression document and Class Medium Term Planning.			