



Subject Specific Vocabulary		Sticky Knowledge
climate	Long term weather pattern in an area	Tewkesbury flooding 2007- Building on flood plains and no flood defences in Tewkesbury caused 13 deaths in 2007.
climate change	A change in the Earth's usual weather conditions over many years	Pakistan floods 2022- Climate change caused changes in monsoon behaviour, precipitation patterns and melting glaciers, resulting in flooding covering more than a third of Pakistan in 2022.
drought	A prolonged dry period in the natural climate cycle that can occur anywhere in the world	Sulawesi Island Earthquake 2021- Building on fault lines resulted in mass destruction caused by an earthquake in 2021.
environment	The air, water, and land in or on which people, animals, and plants live	Cyclone Nivar 2020- Low lying areas in India were especially vulnerable when a severe tropical cyclone struck Puducherry (population 1.6 million) in 2020.
flooding	When a large amount of water moves or spreads beyond its normal boundary	The Elizabeth Line- 3 and a half years late, and £4 billion over budget, the Elizabeth Line will increase London rail capacity by 10%. 1.5 million more people will be within 45 minutes of central London.
global warming	The process of Earth's average temperature increasing over a long period of time	
greenhouse gases	Gases in Earth's atmosphere that trap heat	Shanghai urban geography- Shanghai officials have sought to preserve older building as the city 'booms'. This has resulted in some innovative solutions, including 'walking buildings'.
hurricane	Tropical storms with wind speeds above 119 km/hr (74 mph)	
precipitation	Rain, hail, fog, sleet or snow	



Concepts



Human Processes





Physical Processes

Skills

Use O.S. maps and symbols to answer questions.
 Use maps, aerial photos, plans and web resources to describe what a locality might be like and how it has changed.
 Map land use with own criteria to answer geographical questions.
 Reach reasoned and informed solutions and discuss the consequences for the future.



Prior Learning	Local/National	Unit Objective
<p><u>Volcanoes</u> I have already learned about the effect that volcanoes and earthquakes can have on human life.</p> <p><u>Rivers</u> I have already learned about flooding and flood management.</p> <p><u>Our Earth</u> I have already learned about how climate change is the result of actions such as burning fossil fuels. I know it's causing problems for humans, wildlife and the planet. I have learned that changes need to come from governments and businesses, but scientists say that if we all make small changes to our lives too, together we can have an impact.</p>	<p>In this unit, we will learn about the cause of a current issue and research the implications. We will identify changes to be made in our own lives and discuss the positive impact that we can have in our local area, nationally and around the world.</p>	<p><u>Human and physical geography</u></p> <p>-Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.</p> <p>- Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.</p>
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