

Geography Progression Grid Class 5/6 – CYCLE 2

Autumn - Our changing world	Spring- Extreme Earth	Summer- Raging rivers	
Objectives -	Objectives –	Objectives-	
To describe and understand key aspects of physical geography,	To know how volcanoes are formed	To know and locate the key rivers in the UK.	
including: climate zones, biomes and vegetation belts, rivers,	To name the layers that make up the earth.	To know and locate the key rivers of the world.	
mountains, volcanoes and earthquakes, and the water cycle in the	To know what happens during tornadoes, earthquakes, and	To describe and understand the human and physical key aspects of	
context of erosion and weathering.	tsunamis.	rivers.	
Minimum learning is highlighted Minimum vocabulary is in bold			
What children will know and remember			
To know that weathering is a natural process that slowly breaks	To know that the earth is made up of layers:	To know that rivers flow downhill toward their mouth . The mouth	
apart or changes rock. Heat, water, wind, living things, and other	• Crust -Thin outer layer. Hard rock. 10km–90km thick.	of the river is where the river enters a lake or ocean. Rivers have	
natural forces cause weathering. Over many years, weathering can	 Mantle - Extremely hot rock that flows. 3000km 	many small streams (tributaries) which join together to form a main	
shape rock into unusual formations but does not involve movement.	thick.	channel. V-shaped valleys form in the upper course of a river where	
	Outer core - Iron and nickel. Mostly liquid with some	there is a lot of downwards	
	rocky parts. 4000°C.		
	 Inner core - Iron and nickel. Hottest layer at over 		
	5000°C.		
To know that erosion is the geological process in which earthen	for know that when a voicano erupts , not gases and melted rock	To know the course of a river.	
materials are worn away and transported by natural forces such as	nom deep within Earth find their way up to the surface. This material may flow clowly out of a fiscura, or crack, in the ground, or	<u>The Opper Course</u> -Rain failing on high ground collects in channels and flows downwards forming a stream. Streams run downbill and	
basic chamical composition. Physical properties change without changing their	it may explode suddenly into the air. Velcanic exuptions may be yory	ioin other streams, increasing in size and speed, forming a river	
get smaller or smoother. Bocks eroded through physical erosion	destructive. But they also create new landforms	The river here flows quickly and the channel has steen sides and	
often form clastic sediments	destructive. But they also create new fandronnis.	runs through valleys. Features include – waterfalls and ranids	
		The Middle Course - Fast flowing water causes erosion making the	
		river deeper and wider. Features include - meanders.	
		The Lower Course - Rivers flow with less force due to being on flat	
		land. The river deposits the eroded material that it has carried.	
		Riverbanks have shallower sides. Features include - floodplains,	
		deltas and estuaries.	
To know a coastline is the zone between land and sea. The action of	To know the constant motion of tectonic plates can cause cracks,	To know that a river may contain a meander - a curve in the river	
the waves and the sea constantly changes the shape and form of	known as faults, in the Earth's crust. Earthquakes occur when the	Eroded materials are carried by the river and released,	
the coast, and people manage these changes in different ways. The	crust moves suddenly on or near one of these fault lines and that a	building up the land on the inside of the bend where the	
coast is the place where land and sea meet. To know a cliff is a type	tsunami is a series of extremely long waves caused by a large and	water flows more slowly and as meanders grow, two meanders can	
of landform on the surface of the Earth. They are tall, steep rocks	sudden displacement of the ocean, usually the result of an	merge together through erosion. The water takes this newer,	
that were created by erosion and have vertical (straight up-and-	earthquake below or near the ocean floor.	shorter course. The river deposits eroded materials which block off	
down) faces.		the old part of the river forming an oxbow lake.	
	(The earth's crust is made up of large areas called tectonic plates		

To know that an arch is formed when a cave breaks through the headland. To know that when an arch collapses it leaves behind a stack and when this erodes and gets smaller it is called a stump ,	To know a tornado is a swirling funnel of air that forms when warm air rises from near the ground into big cumulonimbus clouds.	To know that rivers can be used for different reasons and that these bring some negative and some positive impacts Leisure e.g. fishing + Controlled population of fish - May leave litter and pollute the water Industry e.g. factories + Sections of rivers maintained - Chemicals pollute the water and habitats Tourism e.g. walking routes + Conservation and education about local wildlife - Too many people near wildlife habitats	
To know that many coastal areas are being affected by erosion but that the Holderness coastline is located on the east coast of England. It is the fastest eroding coastline in Europe (BBC BItesize)	To know earthquakes are measured using the Richter scale, volcanic eruptions using the VEI and Tornadoes using Enhanced Fujita Scale (EF-Scale).	 To know that rivers can be dammed – blocked deliberately to hold water back, usually in a reservoir and that they may be dammed to control the flow of a river to prevent flooding or to generate power (hydroelectric power) Hydroelectric Power Water is held behind a dam. When needed, some of the water is released and flows through a pipe (penstock). The falling water turns a water wheel (turbine) which is linked to a generator which produces electricity. The water continues into the river on the other side of the dam 	
	To know people's lives are affected through damage and destruction to property, land, power supplies, availability of food and injury (there are more reasons children may research and find)	To know where the following rives are in the UK and be able toidentify and name them on a map:Trent 183miles/297kmSevern 220miles/354kmThames 215miles/346kmWye 155miles/250kmTo know that these are the longest rivers in the UK and how longthey are	
Disciplinary skills and knowledge			
To define human and physical characteristics of places and locations and understand the actions of processes	To define human and physical characteristics of places and locations and understand the actions of processes	To define human and physical characteristics of places and locations and understand the actions of processes	