

Prior Knowledge

This topic has a big focus on geographical skills – you will use knowledge you have gained throughout your time at Templars on using maps, atlases to digital mapping. You will use these to look at many physical and human features on Earth, both local and far away. You have studied climate, weather and the seasons in various areas of the world and will build on this by learning about time zones; that places have different time zones, the basic science behind this and how this affects people. You will also learn about the climate of different planets and how they provide unsuitable habitats for living things.

What? (Key vocabulary)		Physical Features	
outer space	The area that exists beyond Earth	bay	A recessed, coastal body of water
time zone	An area of earth with a specific time	canyon	A deep gorge (valley), usually with a river flowing through it
Greenwich Meridian	The name of the starting point for time zones, located at the Greenwich Observatory, England	fjord	A long, narrow area of sea between high cliffs
water cycle	The journey of water from land to sky and back again	glacier	A large body of ice that moves slowly
light pollution	Brightening of the night sky from man made sources such as streetlights	lagoon	Shallow salt water separated from the sea by a low sandbank or coral reef
NASA	An organisation responsible for science and technology related to air and space	shield volcano	A wide domed volcano with gently sloping sides nearly entirely made of lava
star constellation	A group of stars that make an imaginary shape	stratovolcano	A volcano built up of alternate layers of lava and ash
		volcanic crater	A roughly circular depression in the ground caused by volcanic activity



Mapping

Dr. Warren Washington	Used computers to research the atmosphere and climate change	birds-eye view	The view of something from above
scale distance	The ratio of distance on a map to the corresponding distance on the ground	street view	Technology in Google Maps and Google earth with interactive views along many streets
Google Earth	A computer program that provides a 3D representation of Earth	celestial navigation	Navigation using the sun, moon and stars, using a sextant tool
satellite imagery	Images of Earth or other planets collected from		