	Year: 8	Topic:
	Subject: **Geography**	**Ecosystems**

Knowledge and Understanding to be developed:	Key Terms to be learned this half term:
Students will be developing awareness of a range of ecosystems processes including food webs, feeding relationships, interactions between human needs, such as resource extraction and energy use and physical processes such as the nutrient cycle and climate patterns. Students will focus on one specific case study of the Amazon Rainforest and applying ideas of ecosystems processes to the changing face of the Amazon, including resource extraction and fossil fuel usage.	Ecosystem, prey, predator, Carnivore, Herbivore, Tropical Rainforest, Food chain /web, adaption, nocturnal, diurnal.

Week 1/2 Learning Objectives and Outcomes:	Assessments:	Homework:
Define ecosystem **Match** images to ecosystem names **Construct** a global ecosystem map **Understand** what makes up an ecosystem **Identify** the key eaters in an ecosystem		Design an aquarium label the contents: ◊ Living Things ◊ Producers ◊ Non-Living Things ◊ Consumers ◊ Decomposers
Week 3/4 Learning Objectives and Outcomes:	**Assessments:**	**Homework:**
Identify plant adaption in the tropical Rainforests **Design** your own plant with adaptions suitable for the Tropical rainforest **Justify** these adaptions **Identify** endangered animal species. **Examine Design** your own plant with adaptions suitable for the Tropical rainforest **Justify** these adaptions	Peer assess	
Week 5/6 Learning Objectives and Outcomes:	**Assessments:**	**Homework:**
identify how animals adapt to life in the trees **explain** how adaptions help animals to survive **label** and **describe** key features of animals of the TRF **Identify** key features of a tropical climate, create a climate graph with help **describe** key features of a tropical climate, create a climate graph independently **describe** the key features of a tropical climate using a climate graph, create a climate graph with accuracy **Explain** the key features of a tropical climate using data from a climate graph, make comparisons to the UK's climate	**Prepare for the end of term test**	Complete any missing work. Respond to teacher feedback including spelling, grammar and complete improvements.

Skills
Literacy: 8RA3 Write a report explaining and justifying the adaptions of your TRF animal.
Numeracy: Y8 D4B-Using data skills- construct graphs to represent data-Climate graph