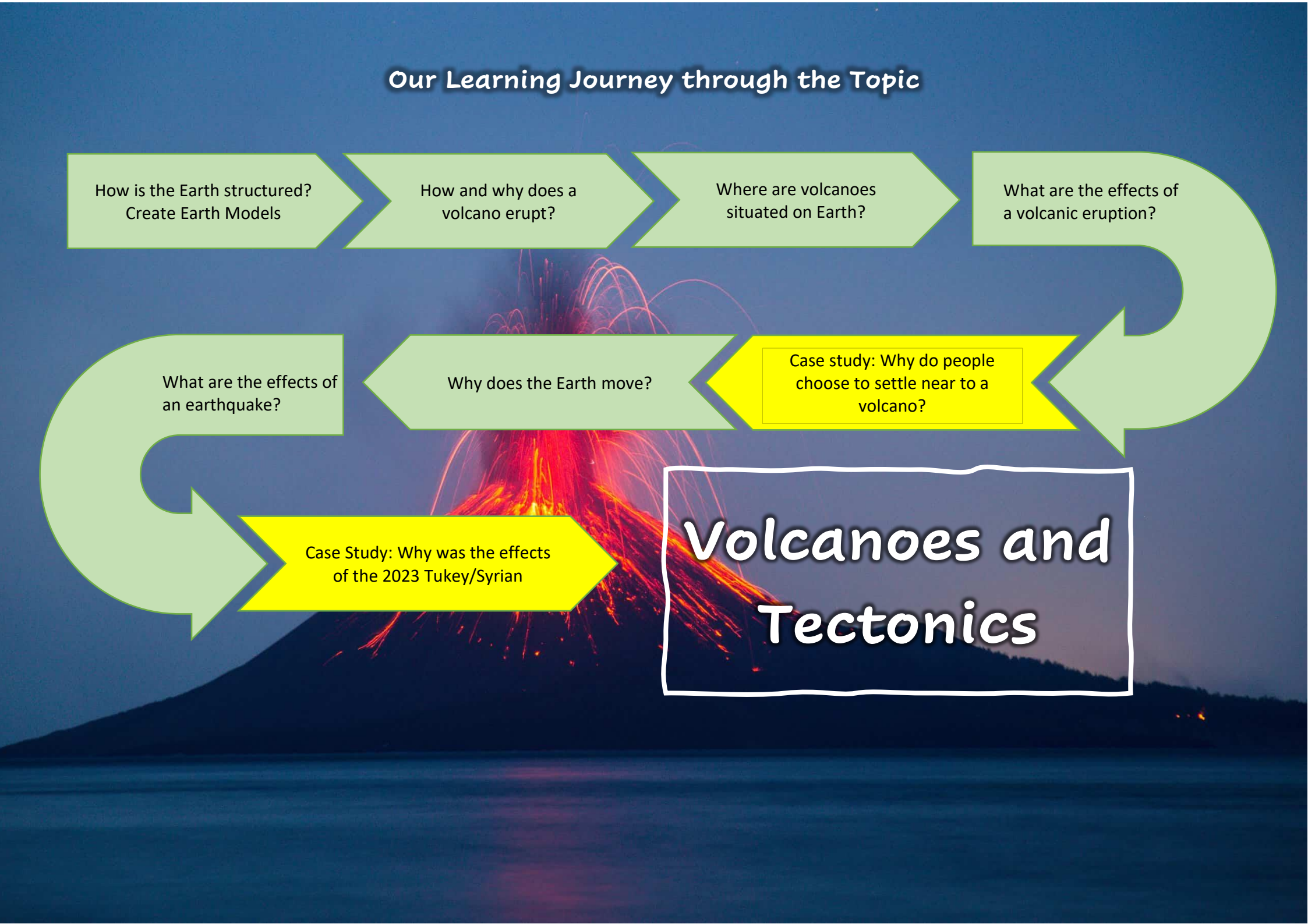
Our Learning Journey through the Topic
How is the Earth structured? Create Earth Models
How and why does a volcano erupt?
Where are volcanoes situated on Earth?
What are the effects of a volcanic eruption?
Case study: Why do people choose to settle near to a volcano?
Why does the Earth move?
What are the effects of an earthquake?
Case Study: Why was the effects of the 2023 Tukey/Syrian
Volcanoes and Tectonics

Volcanoes and Earthquakes

Term taught in:	Summer 1	Number of Weeks:	6

Objectives	Outcomes
Geography: • Use geographical language to identify and explain key aspect of human and physical feature and pattern as well as links and interactions between people, places and environments. • Ask and respond to questions that as more causal (e.g. why is that happening in that place?) • Recognise geographical issues affecting people in different places and environments. • Use a range of maps and other sources of geographical information and select the most appropriate for a task.	**The children will:** • Through observation and research, the children will name and identify the layers of the earth and identify what they are made from. • Through independent research and observation, the children will identify the sequence of a volcanic eruption through diagrams, models or presentation. • The children to use maps, atlases and computer mapping to locate famous volcanoes. To research, create and present findings of either a dormant, extinct or active volcano. • The children will carry out a case study of a Volcanic eruption and make **points**, provide **evidence** and **explain** the effect of each feature. • The children will consider the physical and human advantages and disadvantages of living near a volcano by producing a comparison chart. • The children will order the timeline of movements of the continental drift. To identify, name and map the tectonic plates which make the 'The Ring of Fire.' • The children will understand and identify major fault lines. They will study the physical and human effects of an earthquake both during and after the quake. Case study the 2023 Turkey/Syrian earthquake. • The children will create a chronology of earthquakes from the past 150 years using different sources ie newspaper articles, journal extracts and news reports and identify the five major features.

Key Vocabulary		End Products
Volcano(es) Active Dormant Extinct Eruption Ash cloud Crater Mantle Outer core Inner core Magma Pyroclastic flow Mud flow	Vent Lava Molten Ring of Fire epicentre Continental drift Tectonic plates Tsunamis Landslides Liquefaction Magnitude Crust	• The children will make a model of the earth showing it's different layers • The children will make a model of a volcano • The children will create and present short presentations based on research. • The children will case study advantages and disadvantages for leaving under a volcano.

Links to our School Values	Links to British Values
The children will develop their own communication skills through presentations and discussion. They will develop compassion and think about how volcanoes and earthquakes affect peoples lives.	They will deepen their understanding of Mutual respect and how countries like Britain provide aid for countries which are affected from volcanoes and earthquakes.

Cross Curricular Opportunities	Enhancements	Evaluation: Misconceptions
DT • Create models of the Earth using salt dough/playdough • Create volcano models using bottles, paper mâché or foam. History • Research historical volcanic eruptions and earthquakes and how they have affected the physical and human geography of that country eg Mt Vesuvius and Pompeii in Ancient Rome		