
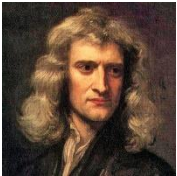

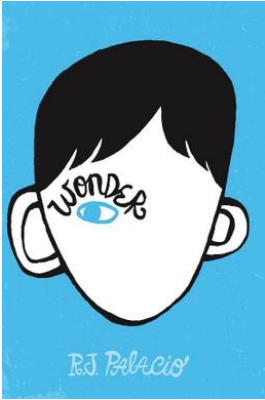


Topic Plan

Year 6		
Spring 2 – ‘A Ground-Breaking Experience’ – Physical Processes		
Key Skills	Key Facts	Key Vocabulary
<ul style="list-style-type: none"> Understand the structure of the Earth and what tectonic plates are. Know where we can find tectonic plates using a world map and how they move. Find out what causes earthquakes and the effects they have. How mountains are formed. Understand how volcanoes work. Using scale and proportion in self-portraits. The stability of structures. Understand that light travels in a straight line. Describe reflections and refraction. 	<ul style="list-style-type: none"> The structure of the Earth is made up of 4 key layers: crust, mantle, outer core, inner core. Continents and oceans sit on tectonic plates. Continents were once connected but they have drifted apart over time. This is called continental drift. There are 3 key ways that tectonic plates move: pull apart, scrape alongside and collide. Tectonic plates move very slowly. This movement causes friction which results in earthquakes. There are 4 different types of mountains: fold, dome, fault-back and volcanic. 	<p>Tectonic plates – A large slab of rock that floats on the Earth’s mantle.</p> <p>Magma – Molten rock that rises through the Earth’s crust and creates lava.</p> <p>Crust – The cold, rocky outer layer that makes up the Earth’s surface.</p> <p>Mantle – Churning liquid rock under the Earth’s crust.</p> <p>Outer core – Very hot layer of the Earth that is mostly made up of liquid iron.</p> <p>Inner core – Hot, dense ball of mostly iron that sits in the middle of the Earth.</p> <p>Epicentre- The point directly above the focus of the earthquake on the Earth’s surface.</p> <p>Magnitude scale – The scale that measures the strength of an Earthquake.</p>
Key Figures/Places	Reading and Writing Links	
<p>Dale Chihuly </p> <p> Isaac Newton – scientist</p> <p></p> <p>Chile earthquake 2010</p>	<p>Our class novel this term is Wonder by </p> <p>Writing</p> <ul style="list-style-type: none"> Formal Letter Narrative 	

