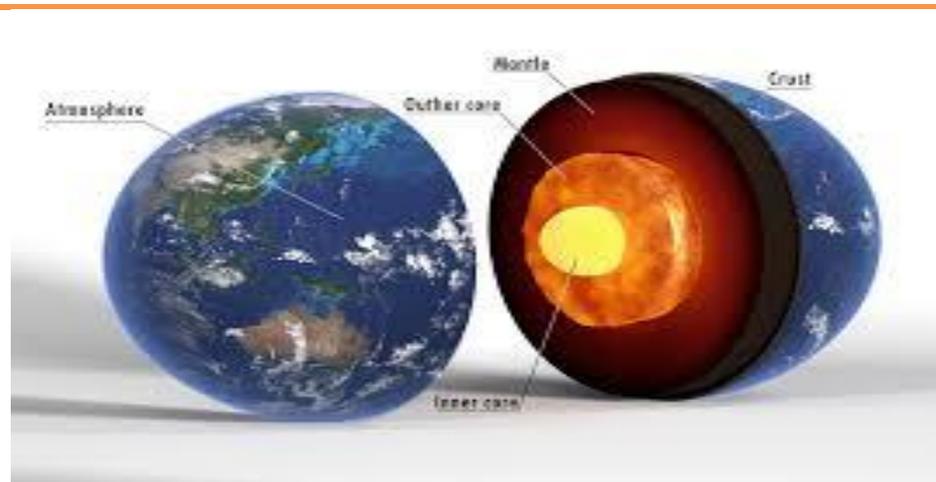


# The Moving Earth Year 5



## Essential Knowledge

By the end of this topic the children will know....

- That the earth is made up of Tectonic plates
- That the moving and colliding plates create volcanoes and earthquakes
- How a volcano occurs
- Why we have earthquakes
- Countries more prone to natural disasters and why.
- How natural disasters affect both people and their property.

### Launch

A 'Disaster day'

Children spend the day researching a natural disaster around the world. They will work in groups to find out as much as possible about the disaster and present their findings, pictures etc..to the class at the end of the day.

### Explore

Explore the science behind Earthquakes and Volcanoes – use science lessons to experiment with materials and explain how they change.

### Energise

Volcano making day - using the science knowledge and skills to create a volcanic eruption (using volcanoes made for homework)

### Celebrate

Quiz day.  
Come along and join in our 'Great Sandford Quiz Afternoon'. The children will be writing all questions and leading the quiz as 'Quiz master extraordinaires'.  
Test your knowledge of plate tectonics, Earthquakes, Volcanoes and geography of the world for the ultimate in quizzes!

Roots to grow...

**OUR VISION**

To be secure, happy and helpful; believing anything is possible with hard work, faith and dedication.  
We dare to dream for ourselves *and* make a difference to others.

**OUR ROOT**

**Respect and Honesty**

**Thankfulness and Friendship**

**VALUES**

Children will show respect to others when on trips and when working in groups with each other. They will be honest when proof-reading each other's work and feedback positively ensuring it helps others to develop their work further.

During the term the children will develop friendships through PSCH sessions. They will understand that we are all different and have different values and beliefs.

<b>English</b>
<p>Recounts – Newspaper reports about a natural disaster  Narrative – story writing (portal/adventure stories)  Explanation - about how/why volcanoes occur  Instructions - what to do in the event of an earthquake</p> <p>The children will also be using VIPERS to reinforce their reading skills and will be reading a class novel linked to their topic of 'The Moving Earth' SPaG will also be interlinked into English lesson as well as stand-alone sessions.  Spelling will be taught discretely as well as in intervention groups across upper KS2.</p>
<b>Mathematics</b>
<p>Multiplication and division  Fractions, decimals and percentages.  Rapid recall of basic number facts  Reasoning and problem solving.</p> <p>They will also be completing daily 'Early Bird' maths activities linking to the KIRFs (Key instant recall facts)</p>
<b>Science</b>
<p>Properties and changes of material  The children will be able to compare and group everyday materials, know some materials dissolve in liquid, understand how mixtures might be separated through filtering, sieving and evaporating, investigate reversible and irreversible changes.</p>

<b>The Moving Earth – Y5</b>	
<b>History/Geography</b>	
<p>Children will be able to:  Explain the causes and effects of natural hazards – volcanoes, earthquakes and tsunamis.  Have a clear understanding about plate tectonics and the development of the continents over time.  Give reasons why natural disasters occur in particular countries and not others.  Use key vocabulary linked to natural disasters</p>	
<b>Religious Education</b>	<b>Art and Design and Design Technology</b>
<p>Creation and Fall:  Creation and Science – conflicting or complementary?</p> <p>Salvation:  What did Jesus do to save human beings?</p>	<p>Research, create and test Earthquake proof buildings</p> <ul style="list-style-type: none"> <li>- Ways of strengthening buildings</li> <li>- Designers of buildings - Homework to complete the 'investigate and analyse' part of the process.</li> </ul>
<b>Music</b>	<b>French</b>
<p>To be able to learn and play the Ukulele. (Lead by Dorset Music Service)  Children will learn the main three chords and will be tasked with looking after the instrument at home as well as practising as part of their home learning each week.</p>	<p>The SALUT scheme is used to encourage the children to listen, speak and write in French.  This term the children will be continuing with learning key vocabulary, basic phrases and fundamental skills to help them develop an understanding of the language.</p>
<b>Physical Education</b>	<b>Computing</b>
<p>The children will use the Real PE scheme to develop skills, coordination, stamina and flexibility.</p> <p>They will also be developing their hockey skills from the Autumn term and begin playing matches against each other.</p> <p>They will also create some dances using their indoor PE session.</p>	<p>The children will focus on E safety along with using coding software in their lessons.</p>