

Discuss the effects of the Earth moving – violent volcanoes, devastating earthquakes and magnificent mountain ranges. Delve into the Earth to discover its internal structure and the movement of tectonic plates. Discover volcanic specimens by participating in our interactive take on the e-bay phenomenon.

**During this workshop, your pupils will build up an integrated picture of the dynamic nature of planet Earth. Through discussing what earthquakes, volcanoes and mountain ranges share in common, plate tectonics are introduced. An understanding of the concept of Earth's crust moving is enhanced using animations and discussion. By describing unique characteristics of volcanic rocks, pupils effectively contribute in a team activity where they have to encourage others to buy and sell their rock.**

**This workshop enables pupils to:**

Develop curiosity and understanding of the environment and my place in the living, material and physical world.

Demonstrate a secure knowledge and understanding of the big ideas and concepts of the sciences.

Develop skills in the accurate use of scientific inquiry and investigation using practical techniques.

Develop as a scientifically-literate citizen with a lifelong interest in the sciences.

Establish a foundation for more advanced learning and future careers in the sciences and the technologies.

Communicate, collaborate and build relationships.

**Curriculum for Excellence Experiences and Outcomes:**

Social studies – people, place and environment

I can describe the major characteristic features of Scotland's landscape and explain how these were formed. SOC 2-07a

I can describe the physical processes of a natural disaster and discuss its impact on people and the landscape. SOC 2-07b

Having investigated processes which form and shape landscapes, I can explain their impact on selected landscapes in Scotland, Europe and beyond. SOC 3-07a

Materials – Earths materials

Having explored the substances that make up earth's surface, I can compare some of their characteristics and uses. SCN 2-17a

Number, money and measure – Money

I can use the terms profit and loss in buying and selling activities and can make simple calculations for this. MNU 2-09c

Literacy and English – Listening and talking

I can recognise how features of the spoken language can help in communication, and I can use what I learn. ENG 2-03a