

# Extreme Earth!

## Rationale

In this Extreme Earth topic, we've learnt about a range of natural disasters: avalanches, earthquakes and volcanoes.



Creativity	Independence	Aspiration
Hot and cold volcano art. Clay volcanoes which we made erupt. Tectonic plate models. Volcano architecture.	Newspaper articles about spaghetti tornados. Wrote fact files. Research for an explorer report. Planned and carried out investigations about magnetism.	We learnt Bushcraft survival skills. Shared our fact files with Year 2 children, explaining and sharing our learning.

<b>Spark</b> Adrian Hall visited us and led a session on orienteering. He also shared his experiences of Antarctica. Visited Rutland Water to learn Bushcraft skills. We made erupting volcanoes!	<b>Learning Celebration</b> We shared our natural disasters fact files with Year 2 children. We taught Year 2 children how to make a model volcano erupt.
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<b>Role Playing/Life Skills/Real Learning</b> Learnt map skills during the orienteering session. We took part in earthquake skills. Bushcraft skills: den building, starting fires, wood carving.	<b>Community Cohesion</b> We shared our successes on our blog. We took part in the Mini-Olympics with other schools and our parents were invited to watch.
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<b>Out of Classroom Opportunities</b> Visit to Rutland Water. Outdoors map and orienteering session.	<b>Home Learning Activity</b> Volcano art. Earthquake and avalanche emergency drill posters. Planned an Arctic expedition. Created an advert/leaflet for the Mini Olympics.
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<b>Computing and E-safety</b> We continued to use Purplemash to learn about computer coding. We used the Explain Everything to develop our learning in Maths, English and our Creative Curriculum lessons. During our research, we learnt about using reliable and trustworthy sources and learn how to use a search engine efficiently. We used online maps to find the names of volcanoes around the world. We designed our front covers for our fact files using a publishing programme.
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<b>Links to discrete subjects:</b> In English, we wrote emotive diary entries based about being on an Arctic expedition and experiencing avalanches. We learnt about newspaper articles in English and Guided Reading, and then wrote an article about the spaghetti tornado from <i>Cloudy with a Chance of Meatballs</i> . We wrote simile and metaphor shape poems based on In Maths, we developed our coordinate skills through map-reading. We used coordinates to find out where volcanoes were located around the world. Some of us did calculations based on acts from different volcano disasters. We created graphs of our results from our investigation about
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movement on different surfaces; we measured the distance the vehicle moved using cm and m. In Geography, we developed our map-reading skills and used field work to help us accomplish this during our orienteering morning. We learnt about the structure of the earth and tectonic plates. We learnt about how earthquakes, avalanches and volcanoes happen, and found out the structure of volcanoes.

In Art, we made clay model volcanoes and made them erupt! We created hot and cold abstract volcano images using pastels and designed our own buildings based on volcano-inspired architecture. We used a range of art skills – painting, collage, drawing – to design and banner and rugby ball for the Mini Olympics.

Our Science focus was *Forces and Magnets*. We carried out a variety of experiments with magnets. We planned and carried out investigations about questions we wanted answers to. We discovered which materials were magnetic and found out that not all magnets are magnetic. We learnt about the poles of magnets and whether they attract or repel one another. We observed different forces in action while on the playground and investigated the movement of objects on different surfaces.

#### British Values

In R.E., we've been learning about the different religions in Stamford and Peterborough. We went on a tour of a range of religious buildings around our community and thought about how we respect one another's religious beliefs.

We took part in the Mini Olympics, where different schools from around the county come together to celebrate sports and compete alongside one another. We met some British sports celebrities who compete in British sports, including the Paralympics.

We learnt how British charities and the government support relief aid to other countries.

#### Steps to success

Learnt about different natural disasters.

Made models of volcanoes and tectonic plates.

Explained how natural disasters occur.

Wrote fact files about natural disasters and shared them with KS1 children.

Wrote diary entries about experiences in avalanches and tsunamis.

#### How will the project be evaluated?

We created fact files explaining how different natural disasters happen and shared our learning with Year 2 children.