

Dawley C of E Academy Year 3 Summer Term Topic Web 2017

Extreme Earth Topic Overview



Understanding English, communication and language

- Using a variety of sources of information to research facts and figures
- Ordering sentences to show priorities of actions following a natural disaster
- Writing descriptions of what aid agencies do to help following a natural disaster
- Responding to varying opinions about giving to charity
- Preparing and performing interviews between an aid worker and a journalist
- Choosing words in response to pictures of drought and famine
- Writing descriptions of how pictures of famine and drought make you feel
- Creating a persuasive TV advert to convince people to give money to a charity that fights drought, famine and poverty in third world countries
- Using given facts to find the answers to questions
- Using labelled illustrations to demonstrate knowledge
- Creating a glossary of extreme weather phenomena
- Writing a diary entry to recount the events surrounding a tornado
- Completing cloze sentences to describe tsunamis
- Creating a warning poster to tell people what to do in the event of a tsunami
- Using pictures as the stimulus for writing an acoustic poem to describe volcanoes

Understanding the arts

- Exploring Hokusai's 'Great Wave' print
- Investigating how woodblock prints are used by artists and artisans today
- Investigating ways of recreating 'The Great Wave' using a variety of media
- Exploring the use of line, shape and shading to create 3D effects in shading
- Creating colourful tornado pictures using shading
- Creating a tornado mobile using different sizes of coloured discs
- Exploring how to carve clay to make a sculpture of an animal
- Identifying a variety of percussion instruments
- Listening and responding to a piece of music
- Adding percussion instruments to background sound effects to create a composition to portray a storm
- Using a variety of instruments or digital software to create a composition to portray a natural disaster
- Working as a group to rehearse, perform and evaluate a piece of music
- Writing a song with lyrics to portray a natural disaster

Scientific and technological understanding

- Investigating materials that are waterproof
- Investigating ways of making joins waterproof
- Creating informed designs for products based on specific design criteria
- Evaluating the effectiveness of a finished product
- Exploring ways of making moving and interactive parts, including parts that use electrical circuits
- Exploring ways of controlling different parts of an electrical circuit
- Identifying animals that have adapted to extreme environments, such as deserts and polar regions
- Exploring the particular adaptations of an animal that lives in an extreme environment
- Finding out about the greenhouse effect and how human activity can cause climate change
- Identifying greenhouse gases and activity can increase their output
- Identifying ways of reducing your carbon footprint
- Mixing baking soda, vinegar and other ingredients to create a reaction to show an erupting volcano

Understanding physical development, health and well-being

- Identifying that people need clean water and food to be healthy
- Exploring how physical development can be stunted irreparably in the first thousand days of life due to insufficient nutrition

Historical, geographical and social understanding

- Exploring the effects of natural disasters on people and communities
- Exploring how aid agencies and charities respond to natural disasters and ongoing issues of famine and drought
- Exploring what individuals can do to help those affected by natural disaster, famine and drought
- Identifying the parts of the globe that are hottest and coldest in relation to the equator and poles
- Identifying extreme climates in the world, e.g. hottest, coldest, wettest, driest areas
- Identifying areas of extreme climates on a world map
- Understanding how the water cycle works
- Exploring drought and its effects
- Exploring extreme weather phenomena, such as tropical storms, tornadoes, floods, hail and lightning
- Finding out about plate tectonics and how earthquakes are formed
- Using a map to identify the location of earthquakes around the world
- Finding out how tsunamis are formed
- Exploring volcanoes and how they are formed
- Identifying active volcanoes around the world

Mathematical understanding

- Inputting data into a bar graph to show the temperatures of the hottest and coldest places in the world
- Using 3D nets to create interactive features on an info-box