

Year 5 - Summer 2019

Context for Learning: Active Earth



ACTIVE

EARTH

As writers we will:

- Write a detailed autobiography on someone's life
- Write instructions on how to survive an earthquake
- Research and produce information texts on types of volcano
- Become poets to write free verse poems on volcanoes and earthquakes
- Explore and write about famous volcanoes around the world
- Go back in time to write about Pompeii and the eruption of Mount Vesuvius
- Write persuasive adverts inspired by our canoeing trip

Hooks for Learning!

- Explore forces and explosions at the Science and Industry Museum on the 22nd May!
- Go on a canoeing and camping adventure on the 27th –28th June
- Experience a Harry Potter day at Upton High School
- Perform in a musical concert for parents!

As geologists we will:

- Go deep beneath the surface of the earth and explore its structure
- Identify the physical features of the earth including biomes, climate zones, vegetation belts, mountains, volcanoes and earthquakes
- Recognize how and why the earth changes over time
- Use computer digital mapping to help us locate the world's volcanoes and places
- Research and learn about the world's natural disasters
- Understand the impact that certain landscapes can have on communities
- Complete field work developing our compass skills and use four and six figure grid references.

As artists we will:

- Collect visual and other information to help us develop our ideas about the environment
- Work in the style of an artist and develop greater control of medium of collage
- Explore and investigate textures to create an abstract landscape painting
- Evaluate our work seeking ways to improve it further



As Citizens we will: [E-safety and Health]

- Identify signs of manipulating and pressuring behaviour online
- Understand our rights online and respect others
- Know how to place an unresponsive casualty in recovery position
- Identify and know when a situation is life threatening
- Explain the main physical and emotional changes through puberty
- Understand the term 'body image' and know that we are all different.

This work links to the British value of Individual liberty.

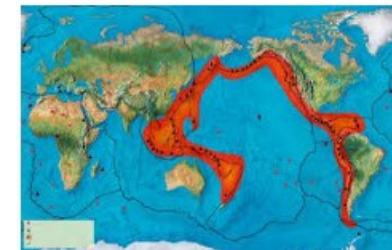
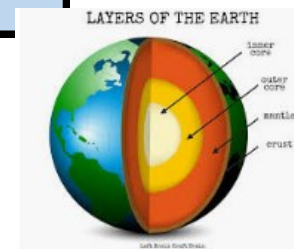


As PE we will: [Rounders and athletics]

- Develop a secure batting grip
- Gain a good understanding of where to hit the ball so that it is away from fielders
- Work effectively as part of a team evaluating our own and others work suggesting ways in which we can improve
- Select appropriate techniques for specific events



CAN WE EVER PREVENT A NATURAL DISASTER?



As Mathematicians we will use and apply our skills to:



- Read and write decimal numbers as fractions
- Read, write and order numbers with up to three decimal places.
- Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.
- Round decimals with up to two decimal places to the nearest whole number
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- Recognise the percent symbol (%) and know that percent relates to number of parts per hundred
- Write percentages as a fraction with a denominator of 100 and as a decimal
- Estimate and compare acute, obtuse and reflex angles and draw any given angle measuring it in degrees
- Identify angles that are on a point and on a straight line
- Confidently identify 3d shapes and explore links from 2d representations
- Calculate missing lengths and angles using our knowledge on shape and angles
- Distinguish the difference between regular and irregular polygons based on their properties
- Represent the position of a shape following reflection, translation and use appropriate language
- Convert between different units of measure and understand and use approximate equivalences between metric and common imperial units such as inches, pounds and pints
- Measure and calculate the area, the perimeter and the volume of shapes

As Designers we will:



- Research existing products and carry out our own market research on torches
- Create our own prototypes to show our thoughts and ideas
- Make careful and precise measurements so that joins, holes and openings are in the right place
- Make detailed evaluations and use these to improve our work further
- Use electrical systems and our Science subject knowledge to create our own torches that could be used in an earthquake where there is no lighting



In RE we will: [Hinduism]



- Be able to explain an interpretation of what 'devotion' means and describe key characteristics of a range of Hindu Gods
- Explore and understand how Hindus worship their chosen God and describe the rituals carried out during worship
- Develop our understanding of religious vocabulary



This work links to the British value—Respect and Tolerance for those with different faiths and beliefs

As PCs we will:



- Use Scratch to programme our own games and animations
- Use PowerPoint to produce presentations on volcanoes and earthquakes
- Use the internet to research famous volcanoes, and geographical features of the earth

As Musicians we will:



- Continue to learn new music notes and develop our confidence further in reading music.
- Continue to master our playing of the clarinet, trumpet and trombone
- Perform as a group in a concert to parents and to the school

As Scientists we will: [Forces and Electricity]



- Explore and explain that unsupported objects fall towards Earth because of the force of gravity acting between the Earth and the falling object
- Identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- Recognise that some mechanisms including levers, pulleys and gears, allow a smaller force to have a greater effect
- Identify common electrical appliances and construct a simple series electrical circuit using cells, wires, bulbs, switches and buzzers
- Draw pictorial representations of our circuits using the correct symbols
- Work scientifically to follow lines of enquiry and to carry out investigations