

Spring 2 Year 5 – Living with the Power of Mother Nature (Part 2)

Herne Junior School

Description/Theme Intent:

This theme is a comparison between a region in the UK and a region in North America. We have chosen to study The South Downs National park and the Yellowstone National park. The children will look at similarities and differences in these regions and understand some of the reasons for them. As an overview they will look at the main countries and principal cities within Europe and North America.

Curriculum Hook:

During the first lesson they will take part in an Atlas quiz to start the topic. The children will take part in a Volcano VR headset experience.

Quality Text / Whole Class Reader:

Swimming against the Storm – Jess Butterworth



Links to being a British and Global Citizen:

RESPECT and ENVIRONMENT: as global citizens, the children will learn about the natural environment around them and how it is unique.

RESPONSIBILITY: the children will learn about their responsibilities towards their own

Links to SMSC, RRR and HARMONY:

RESPECT: as global citizens, the children will learn about the natural environment around them and how it is unique.

SPIRITUAL: the children will explore their feelings about their own surroundings.

Life Long Learning Skills (Problem Solving, Creativity, Resilience, Independence and Collaboration):

- **Problem Solving** – the children will develop their problem solving skills at Avon Tyrell.

Outcome/Impact:

The children will compare the similarities and differences between the features of the two national parks and present using an infographic.

As readers, writers and performers, we will:

- Start the term by learning to write like a volcanologist. We will think about the sequence of events that lead to a volcanic eruption and how to expand our explanations with clarity. We will then use this to write a non-chronological report on volcanos. This will have a focus on presentational features and will finish with the children producing a 2 page report
- Finally, we will experience an immersive week learning about the suffragette movement in Britain. We will write a short biography.

As mathematicians we will:

- learn to measure angles and calculate angles using the facts that we know.
- continue our work on fractions by, adding and subtracting fractions, incl. mixes numbers; multiplying unit fractions, non unit and mixed nos by integer; calculating fractions of amounts, fractions as operators.
- Continue our number work by working with decimals up to 2DP; decimals as fractions; understand 1000ths; order and compare decimals; calculate percentages.

As geographers we will:

- Study the key features of The South Downs National park and the Yellowstone National park. This will include climate, habitats, elevation and relief, animal and plant species, rock/soil types and land use. We will look at similarities and differences in these regions and understand some of the reasons for them.
- Extend our geographical skills to include four figure grid reference and fieldwork.
- As an overview, we will look at the main countries and principal cities within Europe and North America.

As scientists we will: (continued from previous term)

Throughout this theme we will be taking on the role of physicists to explore and understand the way that force affects the world around us. We will do this by investigating the following areas,

- Identify gravity as a force and how this affects weight.
- Identify forces as pushes or pulls and be able to say if they are balanced or unbalanced.
- Understand that air resistance is a force (type of friction) which slows moving objects.
- Explore and identify the effects of water resistance.
- Identify friction as a force which may prevent objects from starting to move, and carry out a fair test with one variable, accurately observing and measuring the results.
- Identify mechanisms which have; levers, pulleys and gears, and how they allow a smaller force

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