

Year 4 Ash Class Topic Overview Autumn Term 2021

Maths

Place value

- Recognising numbers up to 1000
- Roman numerals
- Rounding to the nearest 10, 100 and 1,000
- Count in 1,000
- Partitioning bigger numbers (up to 1,000)
- Compare and order numbers (up to 1,000)
- Negative numbers
- Counting in 25s

Addition and subtraction

- Add and subtract two 4-digit numbers
- Estimating answers

Length and perimeter

- Finding the perimeter of rectilinear shapes
- Kilometres

Multiplication and division

- Multiplying and dividing by 0, 1, 10 and 100
- Timetables up to 9

Music

- Storm music
- Water sounds exploration
- Great Musicians – Bedrich Smetana 'The Moldau' (River Music)
- Composing music to represent each stage of the river's journey

Topic (Geography)

- Develop knowledge about the world, the United Kingdom and their locality.
- Use simple compass directions (North, South, East, West) and locational and directional language to describe the location of features and routes on a map.
- Use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment.

English

Class Book: "To the Edge of the World" Julia Green

Types of writing that will be focused on:

- Narrative
- Poetry
- Explanation Texts
- Dual Narrative stories

Grammar:

- Fronted adverbials (narrative)
- Direct Speech (narrative)
- Using headings and sub-headings (explanation)
- Organising paragraphs around a theme (explanation)
- Using a wide range of conjunctions
- Using the present perfect form
- Sentence structure

Art/D.T

- Great Artists – Hokusai ('Mount Fuji' and 'The Great Wave')
- Impressionism – Monet and water
- How to paint reflections
- Batik Pillow Cases
- Clay river model

Computing

- Safety online – creating a storybook about the SMART online code.
- Make your own Scratch Game (coding)

FOCUS: Mountains, Rivers and Seas

Big Question: Where am I?

Where are we going? What has God given us?



Science

States of Matter

- Compare and group materials together, according to whether they are solids, liquids or gases
- Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)
- Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Living things and their habitats

- recognise that living things can be grouped in a variety of ways
- explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
- recognise that environments can change and that this can sometimes pose dangers to living things.

Real P.E

Focus on balance and agility – Coordination and core strength, Developing personal challenges & endurance

RE

Creation and the story of Abraham to Joseph

Jesus teaches us to pray – the prayer Jesus taught his friends; know that Jesus grew up in a Jewish tradition of prayer; know some of the Old Testament prayers

Old Testament: Moses – King David

Advent

<u>TOPIC</u>	<u>SCIENCE</u>		
<p>Key Vocabulary: <i>Can you find out the meaning of these words and use them in a sentence correctly?</i></p> <ul style="list-style-type: none"> • Estuary • Tectonic plates • River • Water cycle • Source • Mouth • Erosion • Tributary • Reservoir • Dam • Meander 	<p>Key Vocabulary: <i>Can you find out the meaning of these words and use them in a sentence correctly?</i></p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 50%; padding-right: 20px;"> <p><u>States of Matter</u></p> <ul style="list-style-type: none"> Solid Liquid Gas Particles State Degrees Celsius Evaporate Condense Precipitation </td> <td style="vertical-align: top; width: 50%;"> <p><u>Living things and their habitats:</u></p> <ul style="list-style-type: none"> Environment Vertebrate Invertebrate Amphibians Mammals Adapt Ecological Mosses Ferns </td> </tr> </table>	<p><u>States of Matter</u></p> <ul style="list-style-type: none"> Solid Liquid Gas Particles State Degrees Celsius Evaporate Condense Precipitation 	<p><u>Living things and their habitats:</u></p> <ul style="list-style-type: none"> Environment Vertebrate Invertebrate Amphibians Mammals Adapt Ecological Mosses Ferns
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<p>Star Questions- these are key things to think about.</p>			
<p>* What is a river?</p> <p>** Draw a diagram of a rivers journey with features labelled.</p> <p>*** Explain how mountains and rivers are linked with reference to the water cycle.</p> <p>**** Make a list of the advantages and disadvantages of living close to a river. Think how this may have changed throughout history.</p> <p>***** Explore the rivers in your locality and compare with rivers around the world, what are the similarities and differences?</p>	<p>* Make a list of materials that change state when they are heated or cooled.</p> <p>**Draw and label a diagram explaining the water cycle.</p> <p>*** Explain the difference between a carnivore, herbivore and an omnivore.</p> <p>**** Explain how changes in environments can impact animals' habitats and affect population numbers.</p> <p>***** Research why we have a food chain and explain why without it many animals may not survive</p>		

The questions are of increasing difficulty, encouraging pupils to be 'ambitious for the higher gifts'. The four and five star questions are designed to be opened ended and rely on higher order thinking. Perhaps these questions could form the basis of discussions at home, as well revisiting key knowledge in the first three star questions.