



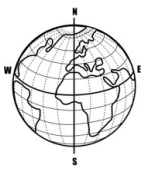












## Our Year 5 Curriculum - Spring 1



<b>Our lens</b> 	Learning through the lens of <b>sustainability</b> empowers students to explore the interconnectedness of environmental, social, and economic systems, fostering responsibility for the planet's future. Focusing on Antarctica, students investigate its geography, climate, biodiversity, and global significance while examining human impacts and conservation efforts.
<b>Big Question</b> 	What are the threats to Antarctica and how can we protect it?
<b>Maths</b> 	<p><b>Multiplication and Division:</b></p> <p>This term in maths, Year 5 will be focusing on multiplication and division. Children will build on their previous learning by multiplying larger numbers, including up to 4-digit numbers by 1- and 2-digit numbers, using both area models and formal written methods. They will also develop their confidence with short division, progressing from 2- and 3-digit numbers to dividing 4-digit numbers, including questions with remainders. Throughout the unit, pupils will apply these skills to real-life problem-solving, choosing efficient strategies and using estimation to check their answers.</p> <p><b>Fractions:</b></p> <p>This half term, Year 5 will be deepening their understanding of fractions. Children will learn how to multiply unit and non-unit fractions, as well as mixed numbers, by whole numbers, using bar models, number lines and formal methods. They will apply this understanding to find fractions of quantities and to work out the whole when only a fractional part is known. Later in the unit, pupils explore fractions as operators, recognising the link between "of" and multiplication, and choosing efficient methods to solve problems. Throughout the block, they continue to build confidence with mixed numbers, improper fractions and using diagrams to support their reasoning.</p>
<b>English</b> 	<p><b>Writing:</b></p> <p>Inspired by Wolf Brother, children will write a narrative retelling a bear attack and focus on building atmosphere. For non-fiction writing, the children will be writing a survival guide relating to surviving in the wild.</p> <p><b>Reading:</b></p> <p>Wolf Brother (Fiction)</p> <p>We will begin the Spring term by reading Wolf Brother which will also be part of our writing. The children will continue to build on their reading skills with particular focus on making connections, clarifying and evaluating. They will have weekly practice ordering events in both seen and unseen texts.</p>
<b>Geography</b> 	<p><b>Antarctica</b></p> <p>"Why is Antarctica important to the world, and how can we protect it?" encourages children to explore its unique geography, global climate role, diverse ecosystems, and the impact of human activity like research and tourism. They examine conservation efforts, such as the Antarctic Treaty, and develop critical thinking through cross-curricular learning in geography, science, and citizenship. This approach builds an appreciation of Antarctica's global significance and equips children to understand and advocate for its protection and sustainability.</p>
<b>Science</b> 	<p><b>Properties of Materials</b></p> <p>Pupils will use their knowledge of solids, liquids, and gases to plan and conduct experiments to separate mixtures, evaluating their outcomes. They will explore, name, and discuss everyday materials, raising and answering questions to become familiar with material names and properties. These include characteristics such as hard/soft, stretchy/stiff, shiny/dull, rough/smooth, bendy/not bendy, waterproof/not waterproof, absorbent/not absorbent, and opaque/transparent, fostering a deeper understanding of materials and their uses.</p>

<b>PSHE</b> 	<b>Health and wellbeing</b> Children will learn how to take greater responsibility for sleep, sun safety, healthy eating and managing emotions. We will focus on the importance of setting goals for yourself as well as the benefits of rest. <b>Educational Visit:</b> First Aid workshop at school  <b>British value:</b> Respect . Respect is a British value that involves treating others with kindness, fairness, and dignity. It means acknowledging people's feelings, beliefs, and rights, regardless of differences. Respect includes listening to others, valuing their opinions, and recognizing their worth as individuals. It helps create an inclusive and harmonious environment where everyone feels valued and treated equally.
<b>Music</b> 	<b>Rounds and Canons</b> We will be building on our knowledge of time signatures ranging from simple 3/4, and 4/4 to compound time 6/8 and finally irregular. We will be creating body percussion pieces and notating through graphic scores. Through singing, we will explore rounds and canons making reasoned choices over entry points and performing drones to accompany part songs.
<b>Computing</b> 	<b>Coding - Crumble</b> This half term children will be applying their knowledge of coding to control a physical object. They will use block based coding to create algorithms which control a lego vehicle through a course. Learners will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. Learners will be introduced to a microcontroller (Crumble controller) and learn how to connect and program it to control components (including output devices — LEDs and motors). Learners will make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the 'if...then...' structure) and write algorithms and programs that utilise this concept.
<b>French</b> 	<b>La Date</b> In the Spring term, pupils will learn the days of the week, months of the year and numbers 1-31 will be introduced, revised and consolidated so, by the end of this unit, pupils will have the knowledge and skills to say the date and when their birthday is in French.
<b>DT</b> 	<b>Building a Bug Hotel</b> In DT, pupils will get the chance to further practise their construction skills, and look at improving their accuracy with measurements. Pupils will design a small wooden structure/shell using saws, wood glue, vices, etc. The internal structures will be filled with biodegradable materials that are sourced from home. They will create a 'Bug Hotel' for UK insects.
<b>Outdoor PE</b> 	<b>Netball</b> This half term in PE, Year 5 will be learning netball. Pupils will develop key attacking and defending skills such as passing, moving into space, marking an opponent and shooting. They will learn to communicate effectively as a team, use simple tactics to keep possession and score, and follow the main rules of the game with honesty and fairness. The unit also supports confidence, resilience and cooperation, while improving agility, balance, coordination and stamina.
<b>Indoor PE</b> 	<b>Dance</b> This term, pupils will explore a range of themes and styles including Dance by Chance, Rock 'n' Roll, Ancient Maya and Chinese Dance. They will work individually, with partners and in groups to create, copy and perform choreography while developing key skills such as timing, coordination, creativity and teamwork. Children will learn how dance can communicate ideas and cultural traditions, and they will be encouraged to use correct dance vocabulary to give and respond to feedback. Throughout the unit, pupils will build confidence, collaborate safely and respectfully, and refine their use of actions, dynamics, space and relationships to improve their performances. This unit will be supported by a specialist dance coach.

**Swimming:** This term, pupils will focus on improving their stamina while building on their previous learning across all three strokes. By the end of the term, they will be introduced to the dolphin kick and butterfly stroke. Lessons will be delivered to mixed-ability groups, allowing all pupils to build on their progress from last term and work towards meeting National Curriculum expectations. Water safety will also be reinforced, revisiting floatation, treading water, and emergency rescues.

RE



**This term RE will focus on Epistemology** - understanding what different religions and worldviews teach about the nature of knowledge, belief and things that are considered to be true. How do people know what they know? What is true and what is false and how do we know this? Where do people gain knowledge from? Children will learn that there are different understandings about which knowledge is true, reliable and valid.