



Our Blue Planet

Year 5

By the end of this topic children will...

- Explore life, habitats and our role in caring for the seas.
- Investigate the sources, types, and effects of ocean plastic pollution and debris.
- Understand how human actions—including industrial fishing, global warming, and habitat destruction—threaten marine biodiversity.
- Define core conservation terms like ecosystem, sustainability, and carbon footprint.
- Propose realistic, everyday changes that individuals and communities can make to protect aquatic environments.
- Research environmental issues (like the Great Pacific Garbage Patch) and present findings clearly using non-fiction writing formats like fact files or persuasive posters.
- Partner with a local conservation group for a purposeful litter-pick or habitat restoration task.
- Use the HEART values explicitly: attach one HEART value to each class pledge or action (e.g., Respect — “I will not drop plastic near water”).

Intent	Implementation	Impact	Celebrate
To inspire pupils to understand the importance of our oceans and the interconnectedness of life on Earth. Through the Blue Planet theme, children will develop scientific knowledge about marine habitats, understand environmental challenges such as plastic pollution, and recognise how individual and collective actions can help protect our planet. Pupils will become informed, responsible global citizens with a sense of stewardship for the natural world.	□ Study ocean habitats, food chains and adaptation in Science. □ Investigate human impact on marine ecosystems, including pollution and climate change. □ Read and write ocean-themed fiction, non-fiction and persuasive texts in English. □ Create marine artwork inspired by coral reefs, sea creatures and famous ocean artists. □ Encourage outdoor learning and environmental action through recycling and sustainability projects.	Develop a secure understanding of environmental issues. Use subject-specific vocabulary. Demonstrate increased curiosity about the natural world. Apply critical thinking when considering human impact on the environment. Produce high-quality written work, artwork and presentations linked to the theme. Show greater awareness of sustainable choices and their responsibility towards protecting the planet.	Hook day with dressing up and activities provided to engage and excite the children. Weekly “Ocean Hour” Weekly updates on the school website showing our achievements Blue Planet Celebration Week

Core Subjects: Links to topic
English
<u>Story</u> Write a persuasive pitch, linked to Our Blue Planet <u>Book Talk</u> Varjak Paw <u>SPaG</u>
Mathematics
<u>Place value</u> Recognise the place value of 6-digit numbers. Comparing, rounding, writing in words <u>Decimals</u> <u>Roman Numerals</u> <u>Shape</u> Describe and identify different nets for 3d shapes
Science
<u>Life cycles</u> To describe the process of sexual and asexual reproduction in flowering plants and animals. To observe and compare the life cycles of animals in our local environment with other animals around the world To find out about the work of naturalists.
Computing
How to create short videos by working in pairs or groups, exposed to topic-based language and develop the skills of capturing, editing, and manipulating video. Learners will have the opportunity to reflect on and assess their progress in creating a video.

Our Blue Planet: Year 5: Knowledge Content	
	Foundation Subjects
RE	History or Geography
What does it mean if Christians believe God is holy and loving?	<u>Geography</u> Identify and assess the impact of humans on Our Blue Planet
	Art and Design
What does the Bible say God is like?	Artwork linked to Our Blue Planet Design and make a small floating raft that can carry a “sea scientist” (a figure) using limited recycled materials. My HappyMind – Meet your brain Meet your brain This Module helps children to understand how their brain works and how to look after it when they are feeling sad, scared or worried. They will learn all about Neuroplasticity.
	Music and Languages
How can ideas of God be expressed in art?	<u>Music</u> Introduction to the clarinet Compose theme tunes in the style of BBC Blue Planet Create sound effects for Our Blue Planet <u>Languages using Sprachenut</u> German Music and celebrations, expressing opinions.
	Physical Education
How do churches and cathedrals reflect Christian ideas about God?	<u>Fundamentals</u> Develop flexibility, strength, technique, control and balance. Use running, jumping, throwing and catching in isolation and in combination.

Core Subjects:
English
Link between opening and resolution Links between sentences help to navigate the reader from one idea to the next e.g. contrasts in mood
Mathematics
Count backwards through zero to include negative numbers. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones). Decimals Roman numerals Nets of 3d shapes.
Science
- Differences in the life cycles of plants, mammals, a bird, an amphibian and an insect - How animals reproduce - The work of key naturalists and animal behaviourists
Computing
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content Select, use, and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems, and content that accomplish given goals, including collecting, analysing, evaluating, and presenting data and information Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Our Blue Planet: Year 5: Links to National Curriculum Framework Skills
Foundation Subjects
History or Geography
<u>Geography</u> use fieldwork to observe, measure record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies. Describe and understand key aspects of: physical geography, including climate zones, oceans, rivers, and the water cycle
Art and Design
<u>Art and Design</u> Develop ideas from starting points throughout the curriculum. Collect information, sketches and resources. Comment on artworks using visual language. Sketch lightly. Use a number of brush techniques using thick and thin brushes to produce shapes, textures, patterns and lines. Mix colours effectively. Experiment with creating mood and colour. Create and combine shapes to create recognisable forms. Add materials to provide interesting detail. Replicate some of the techniques used by notable artists and designers. Create original pieces that are influenced by studies of others.
Music and Languages
<u>Music</u> Play and perform in solo and ensemble contexts, using their voices and playing musical instruments (clarinet) with increasing accuracy, fluency, control and expression Listen with attention to detail and recall sounds with increasing aural memory <u>Languages – German</u> Engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help Speak in sentences, using familiar vocabulary, phrases and basic language structures
Physical Education
Collect a ball with knee turn to side and in front support 1 foot to 1 foot jump with freeze React and catch ball with one hand across body Counterbalance on one leg with partner Lunge walk staying online Transfer a tennis ball in back support Catch a ball on a low beam Stand on one leg and complete squats with eyes closed. 3 step swerve 3 step zig zag with knee up and foot behind Complete a figure of 8 with ball between legs

Core Subjects:
English
Assessment during Book Talk – discussions and one written piece a week. Assessed piece of writing at the end of sentence stacking unit. Assessed mystery box writing every other week.
Mathematics
I can recognise and represent the value of 6-digit numbers. I can read and write 6-digit numbers in words and numerals, including using 0 as a place holder. I can identify and represent 6 digit numbers on a number line. I can round 6-digit numbers to the nearest 10 or 100. Decimals I can identify nets of 3d shapes
Science
- Differences in the life cycles of a mammal, a bird, an amphibian and an insect - How animals reproduce - The work of key naturalists and animal behaviourists
Computing
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content Select, use, and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems, and content that accomplish given goals, including collecting, analysing, evaluating, and presenting data and information Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Our Blue Planet: Year 5: Core Skills/Assessment Opportunities
Foundation Subjects
History or Geography
Geography They should develop their use of geographical knowledge, understanding and skills to enhance their locational and place knowledge.
Art and Design
Artwork created and displayed for Our Blue Planet Design and make a small floating raft that can carry a “sea scientist” (a figure) using limited recycled materials.
Music and Languages
Be able to play a known tune on the clarinet, in time with others. Work collaboratively to produce a piece of music which emulates a Blue Planet theme tune, using percussion, voices and technology. Confidently speak in German in sentences and asking questions as part of the conversation.
Physical Education
Questioning to check for learning and understanding. Correct technique being used.

English

Text Type	Text Structure	Sentence	Useful Vocabulary	Word Classes	Punctuation
Persuasion	Arguments are well constructed that answer the reader's questions. The writer understands the impact or the emotive language and thinks about the response. Information is prioritised according to the writer's point of view.	Verb forms are controlled and precise e.g. It will be a global crisis if people do not take a stand against... Modifiers are used to intensify or qualify e.g. insignificant amount, exceptionally Sentence length and type varied according to purpose. Fronted adverbials used to clarify writer's position e.g. As a consequence of your actions... Complex noun phrases used to add detail e.g. the phenomenal impact of using showers instead of baths... Prepositional phrases used cleverly. e.g. In the event of a blackout...	It appears that... There can be no doubt that.. It is critical.. Fundamentally... How can anyone believe this to be true? Does anyone really believe that? As everyone knows I cite, for example... I would draw your attention to... I would refer to... On the basis of the evidence presented... Phenomenal Unique Unmissable You will be... Don't.. Take a moment to... Isn't it time to...? Worried about...		using commas to clarify meaning or avoid ambiguity in writing using hyphens to avoid ambiguity

Mathematics

Number	Calculation	Decimals	Shape & Measure	Data
Read 6-digit numbers in words and write using numerals including zero as a place holder. Count backwards through zero to include negative numbers. Recognise the place value of each digit in a five-digit number (thousands, hundreds, tens, and ones). Read Roman numerals to 1000		Read a number with three decimal places Identify decimal numbers, with up to 3 decimal places, on a number line	Identify 3d shapes from nets	