

Learning Journey

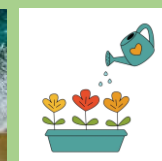
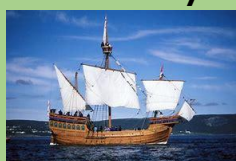
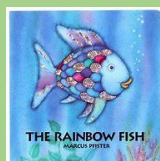
Engaging

Authentic

Rigorous



Why is water precious?



Year 1

Terms 5 & 6

Big concept: preserving and reusing

Overview:

This enquiry enables learners to learn about how water is precious. We will be learning about the oceans and seas surrounding the United Kingdom as well as the names of the oceans and seas surrounding the world. We will explore how animals need water to survive and build on our understanding of plants from Term 4. We will look at how Bristol is shaped by the water surrounding it and investigate the famous Suspension Bridge and boats made in the local area. We will learn about different species that live in the sea, and what seas can provide for us.

As scientists, the children will be learning about what are different parts of a plant called, how to identify different plants and the different leaves from native deciduous and evergreen trees. We will be investigating how plants grow and growing a range of different plants. We will also be setting up experiments to test different conditions for plant growth.

As artists, the children will explore form and sculpture to make their own fish from recycled materials using joining techniques. We will be exploring the colour and textures of the ocean, creatures and plants. We will be visiting Bristol Aquarium to learn more about conservation of our fish and mammals.

As geographers, the children will learn about the world's oceans and continents. We will be learning about key parts of the United Kingdom including countries, capital cities and the bodies of water around our shores. We will be recapping our knowledge of human and physical features and how the seasons are changing from spring to summer.

As designers, we will research our class ship, SS G.B. and designing our own ship. We will make our ships using our knowledge of everyday materials and test to see if they float on water. In the final stage we will refine our designs and share them with our families.

Learning links (previous learning):

Children have learned about traditional tales and familiar songs in the EYFS. This unit will give children the opportunity to investigate characters and themes from traditional tales in more depth and detail.

Celebrating diversity and inspirational People:

Cabot / Brunel – ship building
Brunel – Clifton Suspension Bridge

Launch and Landings	Experiential learning opportunities:
<p>Launch: Experiences throughout unit to launch the learning of different aspects e.g. trip to the aquarium, acting out The Rainbow Fish story.</p> <p>Landing: Sharing boat designs with parents, growing and watering our own plants</p>	<p>Experiences throughout unit to launch learning</p> <ul style="list-style-type: none"> - Aquarium visit - Splash Day – boat testing / boat race
<p>Enquiry Challenge To choose, care for, water and grow our own plants.</p>	<p>Cross-curricular writing Opportunities Writing our own version of The Rainbow Fish</p>

NC Objectives – Skills, knowledge and vocabulary taught through Line of Enquiry	
Geography	DT – Materials (textiles)
<p>Where are the world oceans?</p> <p>As Geographers we will:</p> <ul style="list-style-type: none"> • Name and locate England, Scotland, Wales and Northern Ireland on a map, and know the capital cities. • Name and locate the world's seven continents and five oceans, and the seas around the UK. • Identify and describe human and physical features of a place • Identify ways in which pollution affects our seas and oceans • Compare the different seasons and weather 	<p>What does a ship look like?</p> <p>What materials can we use to make a ship that floats?</p> <p>As designers/engineers we will:</p> <ul style="list-style-type: none"> • Research parts of ships / boats • Research properties of everyday materials • To design a boat or ship using everyday materials • To make a ship or boat • Test our designs • Evaluate and improve our boats throughout
Science	Art
<p>How do our gardens grow?</p> <p>As scientists we will:</p> <ul style="list-style-type: none"> • Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees • Identify and describe the basic structure of a variety of common flowering plants, including trees. • Observe the growth of flowers and vegetables that we have planted. • Learn names of flowers, examples of deciduous and evergreen trees, and plant structures • Observe closely, using magnifying glasses, and compare and contrast familiar plants; describing how they were able to identify and group them, and drawing diagrams showing the parts of different plants including trees. 	<p>Why is water precious?</p> <p>As Artists we will:</p> <p>Investigate the formal elements of art: Form, colour, texture</p> <p>Improve our art and design Skills: Craft and Design 3D Form</p> <ul style="list-style-type: none"> • Create a collage of the ocean using different materials to represent ocean elements e.g. fish, seaweed, marine life and coral • Explore fish, seaweed, coral and create simple line drawings • Explore colour and texture of the ocean • Experiment with different joining techniques • Explore where ocean plastics come from and why • Plan a simple sculpture • Create own sculpture using recycled plastic

Opportunities for core subject learning across the curriculum	
As readers and writers we will:	As mathematicians we will:
Read and listen to class texts (fiction):	Understand multiplication and division as

<p>Rainbow Fish The Wish Fish Barry's Fingers The Fish Who Could Wish</p> <p>As writers: Rainbow Fish - journey stories Sharing – Persuasion Text</p> <p>Share class texts (non-fiction): 1000 Animals Usborn, Under The Sea Usborn</p> <p>As writers: Dolphins –information: non fiction report How I saved the whale – Information - recount</p>	<ul style="list-style-type: none"> Counting in 2s 5s and 10s Make equal groups and arrays Make doubles Making equal groups sharing and grouping <p>Understand fractions as</p> <ul style="list-style-type: none"> Recognising a whole, half and quarter of an object or shape Finding a whole, half and quarter of a quantity <p>Understand the measurements of money and time</p> <ul style="list-style-type: none"> Tell time to the hour and half hour Recognise months of the year and days of the week Count in coins and notes Calculate with coins <p>Place Value to 100</p> <ul style="list-style-type: none"> Count forwards and backwards Partition numbers into 10s and 1s Know one more and one less from any number to 100
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Discrete subject teaching - Skills, knowledge and vocabulary taught discretely	
Physical Education	Music
<p>As fit and healthy citizens we will develop skills in: Athletics Team building</p>	<p>As Musicians we will develop music skills and knowledge through practice and performance, including using instruments to explore the sounds of water and waves.</p>
Computing	PSHE
<p>In computing we will develop skills through Teach Computing scheme: Programming A – Moving a robot</p>	<p>As fit and healthy citizens we will develop our knowledge through SCARF scheme: Being my best Growing and changing</p>

