

Marine Academy Primary, Trevithick Road, St. Budeaux, Plymouth PL5 2AF

T: 01752 213939 W: <http://www.marineacademy.org.uk/primary/>

E: primary@marineacademy.org.uk

Monday 23rd February 2026

Dear Parents/Carers of Marine Academy Primary **Year 5** pupils,

Each term, we send you a letter to let you know what your child will be learning about in each subject. This term, Year 5 will be learning about **Earth's Biomes** in their **Geography** lessons and will find answers to the following questions before using their knowledge to produce an end of unit piece:

1. What are the Earth's biomes?
2. What affects an ecosystem?
3. What is the Tundra?
4. What is the Taiga?
5. What is the savannah?
6. How are biomes being damaged?



Biomes are very large ecological areas on the earth's surface, with fauna and flora (animals and plants) adapting to their environment. Biomes are often defined by abiotic factors such as temperature, climate, relief, geology, soils and vegetation. There are five major categories of biomes on earth; Desert Biomes, Aquatic Biomes, Forest Biomes, Grassland Biomes and Tundra Biomes. Biomes play a crucial role in sustaining life on earth. A knowledge organiser sharing all of the information that the children will learn about in their Geography lessons is attached. Please feel free to use this with your child to develop their knowledge and understanding at home.



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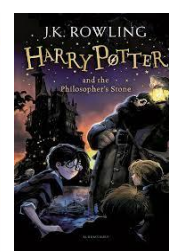
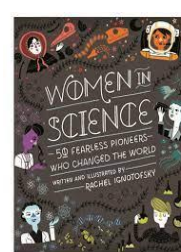
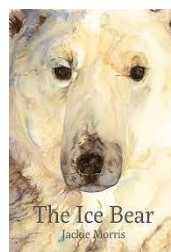
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In **Science**, the children will learn about Space. They will investigate planets, comets, meteors and asteroids. The children will discover why solar and lunar eclipses may occur. They will explore the stars and the various star constellations that can be made.

In **English**, the children's writing will be based on the books 'Ice Bear' by Jackie Morris and 'Women in Science' by Rachel Ignotofsky. In their **Whole Class Reading** sessions, they will continue reading 'Harry Potter and the Philosopher's Stone' by J. K. Rowling.



In **Maths**, the children will complete topics based on decimals and percentages, including comparing, ordering and solving problems involving them. Also, they will be studying Area and Perimeter, where they will measure and calculate lengths of sides and the totals of shapes.

In **RE**, the children will explore the questions 'How do Christians decide how to live?' and 'What would Jesus do?' and in **SMSC** (Spiritual, Moral, Social and Cultural education) the children will learn about 'Rights and Responsibilities'.

In **Design Technology** lessons, the children will create a mini pop-up book. This term, PE will take place on Tuesdays - children should wear their PE kit to school please. If you ever have any questions about this learning, please email year5@marineacademy.org.uk. We are really looking forward to another great term ahead!



Registered Address: Ted Wragg Multi-Academy Trust, Cranbrook Education Campus, Tillhouse Road, Cranbrook, Exeter, England, EX5 7EE.
Company Registered No: 08545109 VAT Registration No: 306 2500 49

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Yours sincerely,

Mr Callum Cuzner

Miss Victoria Hansford

Teacher

Teacher



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Knowledge Organiser – Earth's Biomes - Year 5

Vocabulary	Definition
Biome	A large area of land with a particular climate, type of plants and animals.
Ecosystem	A community of living and non-living things that work together.
Climate	The general weather conditions and patterns in an area.
Deciduous	A tree that sheds its leaves in the autumn.
Dormant	When a plant or animal is in a deep, long sleep.
Equator	The imaginary line that runs around the middle of the Earth.
Fauna	The animals that normally live in a particular biome.
Flora	The plants that normally grow in a particular biome.
Latitude	Imaginary lines that go around the Earth horizontally.
Temperate	Mild weather, further away from the equator.
Tropics	Any place on Earth near the equator.
Deforestation	The cutting down of trees.



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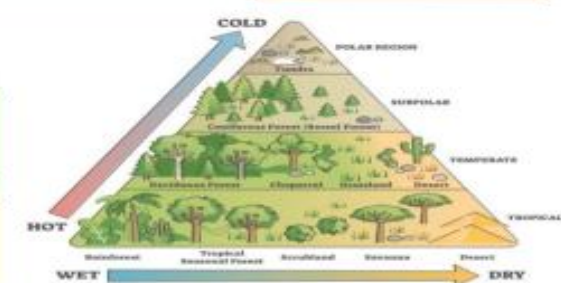
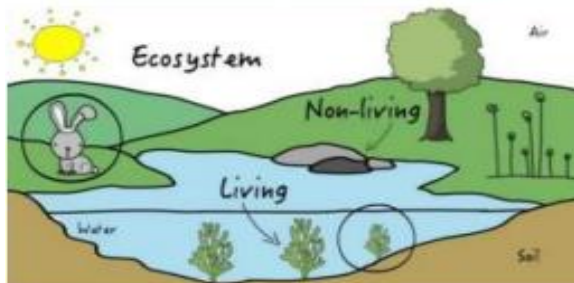
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Knowledge Organiser – Earth's Biomes - Year 5

The Six Major Biomes		
Tropical Rainforest	• Very steady temperature between 20°C and 25°C. • Rains all year long. • The trees are very tall and varied. • Most of the plants are evergreen, not deciduous	
Temperate Deciduous Forest	• Temperature ranges from -30°C to 30°C. • Goes through all four seasons. • Range of trees, most lose their leaves in the autumn. • Even rainfall throughout most of the year.	
Taiga	• Temperature ranges from -54°C to 30°C. • Low average temperature. • Most of the trees are evergreen. • Largest land biome	
Tundra	• Temperature ranges from -34°C to 6°C. • Coldest of all the biomes. • Little rain, lots of frost. • No trees grow and only a few small plants.	
Savanna	• Dry season and a rainy season. • Temperature ranges from -40°C to 40°C+. • Mostly grass grows, occasional individual trees.	
Desert	• Temperatures over 50°C in the day, below freezing at night. • Very few clouds and very little rain. • Very few plants or animals.	



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