

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

Tuesday 2nd June 2026

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

This term, Year 5 will be learning about **Energy and Sustainability** in their **Geography** lessons. They will find answers to the following questions before using their knowledge to produce an end of unit piece:

1. What is sustainability?
2. How has energy been produced?
3. How can we produce energy sustainably?
4. How is an area of Plymouth sustainable?
5. What does the future hold?



Sustainability living involves actions that are beneficial for people, the economy and the environment. An increased demand for resources such as energy, food and fuel means that developing sustainable resources is critical to protect the environment for future generations. A resource is anything that is useful to people. Natural resources can be divided into renewable and non-renewable resources. A renewable resource can be used again and again, so is more sustainable, e.g. water, wind, wood, sun and wave energy. A non-renewable resource will eventually run out, so it is not sustainable in the long run, e.g. fossil fuels such as gas, oil and coal. There is only a finite supply of non-renewable resources.

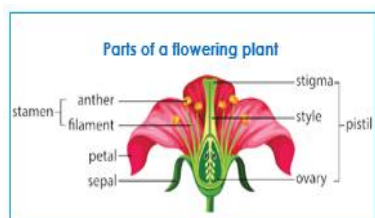
A knowledge organiser sharing all of the information that the children will learn about in their Geography lessons is attached. Please feel free to use this with your child at home.



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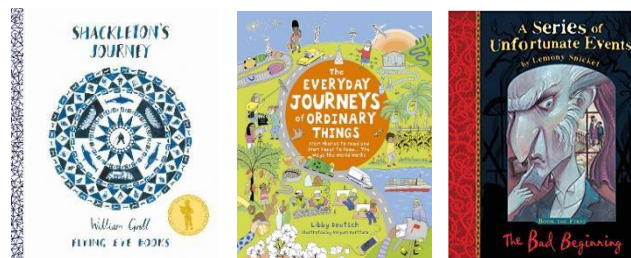
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In **Science**, the children will be learning all about reproductive life cycles. This will involve exploring the life cycles of plants, mammals, amphibians, insects and birds.

In **English**, the children's writing will be based on the books 'Shackleton's Journey' by William Grill and 'The Everyday Journey of Ordinary Things' by Libby Deutsch and Valpuri Kertula, then in their **Whole Class Reading** sessions, they will be studying 'A Series of Unfortunate Events: The Bad Beginning' by Lemony Snicket.



In **Maths**, children will be learning more about measure including: how to convert between different units of metric measure; understanding and using approximate equivalences between metric units and common imperial units such as inches, pounds and pints; estimating, measuring, calculating and comparing the perimeter and area of different shapes using standard units including square centimetres (cm²) and square metres (m²); estimating volume and capacity; solving problems involving converting between units of time; using all four operations to solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling.

In **RE**, the children will explore the question 'For Christians, what kind of king is Jesus?', while in **SMSC** (Spiritual, Moral, Social and Cultural education), the children will learn about 'Growing and Changing'.



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In **Music**, the children will learn to compose and write complex rhythms on glockenspiel and xylophones, and in **Design Technology**, they will be making a bolognese recipe and learning about nutritious ingredients. In **Spanish**, they will be learning to use intonation to differentiate between sentence types, create a short piece for presentation to an audience, use a wide range of adjectives to describe people and things, and use different verbs to describe actions.

In **PE**, they will be playing rounders and this will take place on Mondays, so they can come to school wearing their PE kits on this day.

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!

Yours sincerely,

Mr Callum Cuzner

Miss Victoria Hansford

Teacher

Teacher



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Knowledge Organiser - Energy & Sustainability - Year 5



Vocabulary	Definition
Sustainable	When something is good for people, the environment and the economy.
Unsustainable	When something is not good for people, the environment and the economy.
Renewable energy	Energy sources that do not run out, such as solar and wind energy.
Non-renewable energy	Energy sources that will run out, such as fossil fuels and nuclear energy.
Fossil fuels	Coal, oil and gas. These fuels formed millions of years ago.
Pivotal	Of crucial importance.
Development	The process of improvement.
Abode	Where someone lives.
Economic	Relating to money.
Unprecedented	Never done before or known before.
Biodegradable	When something is able to break down in the soil.
Controversial	When something divides opinion and people have very different views about it.
Technology	Tools and techniques that help solve problems.



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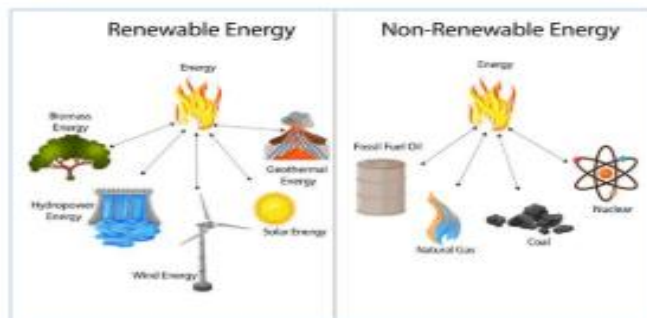
Knowledge Organiser - Energy & Sustainability - Year 5



Sustainability refers to something that is good for people, the environment and the economy.

Renewable Energy Sources

Advantages	Disadvantages
Less Carbon Dioxide emissions	Can be expensive to set up
Will not run out	Can be hazardous to wildlife
Will create more job opportunities	Can be reliant on the weather



Sustainable Living



Prioritising Sustainable Transport

