

Y6 - Aut 1 - How well do we use earth's resources?



Impact

By the end of this unit children will...

Learn how the earth is full of resources but these resources are not always fairly distributed; that there are areas of the world that have a rich abundance of resources and communities living in wealth whereas others are living in poverty in places where earth provides them with very little. They will come to understand how the earth is running out of some resources and how some of the resources we have mined from the earth and have commonly used have caused harm and damage to the planet.

As children zoom into the resources found here in the UK, they will have discovered if we have used them well. Children will learn how humans have caused harm to the earth through their exploitation of the earth's goods and how we are called into a relationship with nature to protect the earth.

Intent

It is our vision that our children will become advocates for social justice, fighters for sustainability, seekers of equality and leaders seeking to become "builders of a new humanity." Pope Francis Through this unit of work children will come to deeper understanding of how they can fulfill their role as "fighters for sustainability."

Building the Kingdom

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Further questions to explore:

How do we use the earth's resources to meet our needs?

How are natural resources distributed?

Catholic Social Teaching

Mary's birthday and The Holy Family

What makes community?

Who is community?

How do we build a community?

How do we build up a Kingdom of God?

Harvest

How are all things in this world connected?

There is enough for everybody's needs but not everybody's greed.

How are we stewards of God's world?

Where do you see God in creation?

How well do we use the Earth's resources?

Religious Education

Covenant and Creation:

This term, Year 6 will be exploring the themes of **covenant, creation, sin and stewardship**. We will consider how the Bible describes God's relationship with humanity and how this relationship brings both responsibilities and choices. Pupils will explore the concept of **sin** and how our actions can affect our relationship with God, ourselves, others and the world around us. We will also focus on what it means to be a **steward of creation**—caring for the environment, using resources responsibly and showing respect for all of God's creation. Through discussion, Bible stories and reflection, children will be encouraged to think about the choices they make and how they can put their faith into action by caring for others and the world we share.

Maths

Place Value:

- Know numbers from ten thousand to ten million.
- Compare and order any number.
- Round numbers to 10, 100 and 1000.
- Round any number.
- Use and understand negative numbers.

Four Operations:

- Add and subtract whole numbers with more than 4 digits.
- Short and long division.
- Long multiplication.
- Multi-step problems.
- Factors, multiples and prime numbers.
- Square and cube numbers.
- Order of operations.

English

This term, Year 6 will be exploring **The Wild Robot** by Peter Brown, using the story as inspiration to develop their writing skills. We will focus on **narrative writing and description**, exploring how authors create engaging characters, settings and events that capture the reader's imagination. Pupils will develop their use of **descriptive language**, including powerful vocabulary, imagery, expanded noun phrases and figurative language. They will also explore how to build atmosphere and tension, vary sentence structures and carefully choose vocabulary to make their writing vivid and engaging. Through studying the novel, children will plan, draft and edit their own narratives, considering how **character, setting, dialogue and plot** work together to create an effective story. Our aim is to help pupils become confident writers who can make deliberate choices to entertain, engage and affect their readers.

Science

Working like a scientist

This term, Year 6 will be developing their skills as **scientists**, learning how to plan and carry out investigations carefully and safely. We will explore how different pieces of **scientific equipment** are used and how to choose the most appropriate tools for different investigations. Pupils will develop their **data skills**, including taking accurate measurements, recording results in tables and graphs, identifying patterns and using evidence to draw conclusions. They will also consider how to make investigations **fair and reliable**, thinking about variables, repeated measurements and possible sources of error. Through practical investigations and scientific enquiry, children will be encouraged to ask questions, make predictions, test ideas and explain their findings using clear scientific language. Our aim is to help pupils become **confident, curious and thoughtful scientists** who can use evidence to understand the world around them.

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Foundation Subjects

History and Geography

This term, Year 6 will be exploring **rivers**, learning about how they are formed and how they shape the landscape around us. Pupils will investigate the **water cycle** and explore the journey of a river from its source to its mouth, using geographical vocabulary to describe the different stages.

Children will learn about the **features of rivers**, including waterfalls, meanders, oxbow lakes and floodplains, and will explore how erosion, transportation and deposition change river landscapes over time. We will also consider the **importance of rivers** to people and the environment, including how communities use rivers and the challenges caused by flooding.

Art and Design and Design Technology

Wildlife through art, taking inspiration from animals, birds and the natural world. Pupils will develop their skills in **drawing, painting and mixed media**, learning how artists use line, colour, texture, shape and pattern to represent wildlife in creative and expressive ways.

Children will study different artists and explore a range of techniques, including careful observation, sketching, colour mixing and creating texture. They will learn how to look closely at the **features, patterns and forms of animals** and use these observations to develop their own artwork.

Computing

Computing systems & networks and Communication:

Learners then look at how the internet facilitates online communication and collaboration; they complete shared projects online and evaluate different methods of communication. Finally, they learn how to communicate responsibly by considering what should and should not be shared on the internet.

Music

Pupils will play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.

Physical Education

Basketball:

- Hand-eye coordination and passing technique.
- Hand-eye coordination and throwing technique.

Gym:

Perform a variety of floor and vault movements. The children will learn stag leaps, dive forward rolls, hurdle steps into cartwheels and round-offs and the straddle over vault while developing their understanding of the necessary flexibility, strength and control needed to perform the movements successfully.

PHSE

Pupils will continue to follow the Ten:Ten objectives for PSHE including exploring; personal health and hygiene, relationships including friendships and the needs of ourselves, others and the environment.