

Veryan School Topic Plan



Our Planet! Pendower Class

Essential Knowledge / Skills

By the end of this unit the children will know...

- What causes an Earthquake?
- What types of settlements are there?
- How are natural resources like food distributed around the world?
- RE week – Why do Christians call the day Jesus died 'Good Friday'?
- Science – What do plants need to grow?
 - What are the parts of a plant and what do they do?

Links to Christian values – compassion, perseverance, wisdom

Compassion

This term will involve lots of collaborative working in which we will need to have compassion and respect for one another to understand differences in opinions and appreciate how different ideas can come together. In addition, part of our topic work will be around natural disasters and children will be encouraged to think about how that would impact the lives of people affected.

Perseverance

Perseverance is a constant thread that runs through everything we do in Pendower, not giving up when things get tricky, having strategies to cope when we feel strong emotions of frustration and practising and building on skills and knowledge that we have in small steps.

Wisdom

This term we are going to become plant experts which will enable us to run a successful farm shop and to share our knowledge with our customers.

SMSC / British values links

British values

Individual liberty – Our science project is going to involve us taking responsibility for our own learning, ensuring that processes that need to be completed are completed and managing our time accordingly.

Democracy and mutual respect – Making decisions in our groups and teams fairly whilst showing respect to the creativity of each other.

SMSC

Spiritual and moral – This term we will be continuing on our journey of spirituality, finding out more about ourselves and the things that are important to us.

Social – We will be working as a whole school towards the stemterprise project.

Cultural – This term we will be thinking about the culture within our own community as we work to create a farm shop that we will open to our community.



Our Planet! – Theme Content

Core Subjects

Writing

This term our focus text for writing will be Wangari's trees of peace. We will be writing non-chronological reports about Wangari Maathai and the green belt project, which will include learning how to make notes on a topic, how to structure a non-chronological report and edit our own work. We will also be writing letters in role as Wangari to the government to explain our concerns about the environment and creating our own stories based on what we could do to make our local area a better place. In addition, we will be continuing to work on grammar, punctuation and spelling.

Reading / Key Texts

A Bear Grylls Adventure 6: The Earthquake Challenge
Wangari's Trees of Peace: A True Story from Africa Jeanette Winter
Ruthless Romans – Terry Deary (continued in guided reading group)

Applied Maths

- Using data tables to analyse aspects of our Geography learning
- Handling money in our farm shop
- Measuring to make our edible products for the farm shop.
- Creating data tables, bar charts and pictograms from scientific research.

Foundation Subjects

Geography

Children will learn about physical and human geographical features, year 2 will be labelling and describing physical features while year 3 and 4 think about the impact of the physical features in our world including finding out what causes an Earthquake. Year 2s will be describing urban and rural areas and year 3 and 4 will learn about land use and types of settlement.

Art & Design / Design Technology

- As part of our science project, we are going to be cooking with our own produce, taking into account the principles of healthy eating and learning how to carry out various cooking techniques.
- In addition, we will be designing our own branding and packaging for our farm shop.

RE Week - Why do Christians call the day Jesus died 'Good Friday'?

- This term in RE we will be answering the question Why do Christians call the day Jesus died 'Good Friday'?
- This will involve us finding out about:
 - The events of Holy week
 - The meaning of salvation and what it means to Christians.
 - How Christians celebrate Easter and why.
 - What the Gospel part of the Bible teaches Christians in relation to Easter

Science – Plants – NFU stemterprise

This term we will be learning all about plants through the NFU stemterprise project. The project will involve us growing ingredients for edible and non-edible products, completing our own branding, making digital instruction guides and becoming plant experts at the same time. The project will culminate in us running our very own Veyan farm shop! This is a very exciting project to be a part of.

Non topic based

Maths

- Year 3 and 4 – Fractions White Rose unit
- Year 3 – Mass and Capacity White Rose unit
- Year 4 – Decimals White Rose unit

Computing

- Throughout our science project, children will be using different applications to create accompanying work, such as digital instruction guides, packaging labels, recipe cards, flower poems, visual guides and adverts.

Music

- This term Pendower will be learning to name and sort musical instruments, followed by finding out about elements of music and putting these into action by listening for them in music and incorporating them into their own compositions.

PE

Focus – High 5 netball
To include passing, footwork, receiving the ball
Focus – Tennis
To include service control, forehand and backhand strokes



Our Planet! – National Curriculum

Core Subjects

Writing

Year 2 - Use present and past tense mostly correctly and consistently
Make simple additions, revisions and proof-reading corrections to their own writing

Year 3 – Writes confidently using co-ordination (or / and / but) and some subordination (when / if / that / because)
Proposes changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences.

Year 4 – Discusses writing similar to that which they are planning to write and understands and learns from its structure, vocabulary and grammar.
Assesses the effectiveness of their own and others' writing and suggests improvements.

Reading / Key Texts

A Bear Grylls Adventure 6: The Earthquake Challenge
Wangari's Trees of Peace: A True Story from Africa Jeanette Winter
Ruthless Romans – Terry Deary (continued in guided reading group)

Applied Maths

Year 2 Interprets and constructs simple pictograms, tally charts, block diagrams and simple tables.
Year 3 Add and subtract amounts of money to give change, using both £ and p in practical contexts
Interpret and present data using bar charts, pictograms and tables
Measure, compare, add and subtract lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
Year 4
Estimates, compares and calculates different measures, including money in pounds and pence.
Interprets and presents discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

Foundation Subjects

Geography

Year 2 - use basic geographical vocabulary to refer to: key physical features, including: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather

Key human features, including city, town, village, factory, farm, house, office, port, harbour and shop

Year 3 and 4 – describe and understand key aspects of: physical geography, including: biomes and vegetation belts, earthquakes, human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water

Art and Design / Design and Technology

Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.
Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or group
Understand and apply the principles of a healthy and varied diet
Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques
Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.
Evaluate - Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

RE Week

Make sense of belief:
Recognise the word 'Salvation', and that Christians believe Jesus came to 'save' or 'rescue' people, e.g. by showing them how to live
Offer informed suggestions about what the events of Holy Week mean to Christians
Give examples of what Christians say about the importance of the events of Holy Week

Understand the impact:
Make simple links between the Gospel accounts and how Christians mark the Easter events in their communities
Describe how Christians show their beliefs about Jesus in worship in different ways

Make connections:
Raise thoughtful questions and suggest some answers about why Christians call the day Jesus died 'Good Friday', giving good reasons for their suggestions.

Science

Year 3 and 4

Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers
Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
Investigate the way in which water is transported within plants
Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal

Non Topic Based

Maths - White Rose Coverage

Year 3 and 4 – Fractions White Rose unit
Year 3 – Mass and Capacity White Rose unit
Year 4 – Decimals White Rose unit

Computing

Year 3 and 4 - 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

Music

Year 2 - play tuned and untuned instruments musically

- listen with concentration and understanding to a range of high-quality live and recorded music
- experiment with, create, select and combine sounds using the inter-related dimensions of music.

Year 3 and 4 - play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression

- improvise and compose music for a range of purposes using the inter-related dimensions of music
- listen with attention to detail and recall sounds with increasing aural memory
- appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.

PE

Year 2 - master basic movements including throwing and catching, as well as developing balance, agility and co-ordination, and begin to apply these in a range of activities
Year 3 and 4 - use running, jumping, throwing and catching in isolation and in combination play competitive games