

Sunrise Curriculum Spring Sequence - Year 6

Spring 1: Courage - The story of Ruth ...courage to go to a new place and start again. (Ruth 1-4)

Spring 2: Joy - The story of Abraham and Sarah's baby...joy after waiting, joy in the miracle of life. (Genesis 18, 20)

'What does our planet need from us?'



GEOGRAPHY
Y5 - 8 points of the compass
Y2 - know that the poles are the coldest parts of the Earth in relation to the Equator

DT
Y5 - completed a unit of work using CAD in Children are also working on CAD in Y6 computing this term.

ART
Children began working in their sketchbooks in Autumn and have been exploring their methods of presentation.

FRENCH
Children have used regular verbs throughout Y5 and Y6. Some experience of irregular verbs in Y5. Numbers taught in Y3 and Y4.

SCIENCE
Y4 – children identified animal characteristics

INTENT (Children will learn)
1.To name the countries within the Arctic circle
2.To identify the tropics and lines of latitude and longitude
3.To identify reasons for climate change

INTENT
Children will design a phone case and create a pattern using CAD. Children will sew their phone case.

INTENT
Children will use sculpture techniques to create a polar bear model. Children will learn to use Modroc as a sculpting material.

INTENT
Children will learn about clothes. They will be expected to recognise, recall and spell longer lists of nouns.

INTENT
To name the major organs in the human body and describe their functions. Children will explain the effect of substances on the body.

Sequence of lessons:
1 - Locate the coldest places on Earth and explain why parts of Earth are warmer/colder. Learn why we have seasons and the impact of these.
2 - Learn and identify the equator, lines of latitude and longitude and the tropics. Explain why we have time zones, referring to the Prime Meridian
3 - Describe and understand the meaning of biomes, climate zones and vegetation belts
4 - Identify the physical geographical features of the Arctic region (rivers, mountains, lakes, glaciers and features of ice)
5 - Name the countries within the Arctic Circle (and describe their location using compass points) Includes locating Russia
6 - Describe the human geography of the Arctic. Discover what life is like for people in the Arctic, compared to life in the UK. Explain how **climate change** is impacting human life in the Arctic.
7 - Explain the impact of climate change on wildlife within the arctic region.
8 - I can suggest some actions that I could take which would have a positive impact on the Arctic

Sequence of lessons:
The stages of this DT sequence are summarized below. A more detailed plan of objectives can be provided on request.

- Investigate and research, including disassembly
- Create a pattern using CAD software and learn how to scale it
- Investigate sewing techniques
- Design an interview/questionnaire for the target audience
- Create an annotated sketch plan and make a CAD pattern
- Make the product using the CAD pattern and Sewing Techniques
- Evaluate by comparing final product to the original design. Gather opinions from the target audience.

An example of a CAD pattern

Sequence of lessons:
1 - To draw polar bear forms from observation
2 – Use sketchbooks to investigate the work of animal sculptors and revisit my previous ideas
3 – Explore creating shapes and forms using playdoh
4 – Create shapes for my sculpture using moulded materials. Attach shapes using secure techniques
5 – Use Modroc to create a sculpted form
6 – Rehearse painting techniques (in sketchbooks)
7 – Master painting techniques to paint sculptures

Sequence of lessons:
1 - I will learn 10 nouns for items of clothing and their determiners.
2 - I will learn 11 more nouns for items of clothing with their determiners.
3 - I will learn how to say what I am wearing in French using the verb 'je porte (I wear) plus the item of clothing.
4 - I will learn more about adjectival agreement in French, describing items of clothing by colour and learning how to say 'my' in French.
5 - I will use all my knowledge in French to describe what I am packing in my suitcase for a holiday.

Outcome/composite
Children will produce a presentation about items of clothing and what they would take on holiday.

INTENT
Children will learn about twelve nouns for key classroom objects.

Sequence of lessons:
1 – I will learn the nouns and determiners for 6 classroom objects in French.
2 – I will learn 6 more nouns and their determiners for classroom objects in French.
3 – I will learn how to answer the question 'Qu'est-ce qu'il y a dans ta trousse? (What did you have in your pencil case?)
4 – I will learn how to move from an indefinite determiner (a) to a possessive adjective (my) in French.
5 – I will learn the negative response and use all my new knowledge to say what I have/do not have in my pencil case.

Outcome/composite
Children will be able to have a basic conversation and order ice cream.

Sequence of lessons:
1- I can identify and name the parts of the human circulatory system.
2- I can describe the functions of the main parts of the heart.
3-I can plan an investigation and I can record, report and present results appropriately
4- I can explain how water and nutrients are transported within the body.
5-I can identify how humans can live a healthy lifestyle.
6-I can explain the impact of drugs, alcohol and diet has on the body.

Outcome/composite
Create a poster to identify some strategies for saying 'no' to harmful substances. (Link to PSHE)

INTENT
Children will learn how to classify animals according to their characteristics (Linnean System)

Sequence of lessons:
1 – I can give reasons for classifying animals based on their similarities and differences
2 – I can describe how all living things are sorted into groups (Linnaean System)
3 – I can identify the characteristics of animals and classify them accordingly.
4 – I can describe and investigate helpful and harmful micro-organisms
5 – I can identify the characteristics of micro-organisms
6 – I can classify micro-organisms found in my local habitat

Outcome/composite
Children will present their findings of local area microorganisms in the style of a scientific TV report. Use iPads to record and edit.

Outcome/composite
Children will create videos which highlight ways we can all protect and save the arctic. Shared on our website and Facebook page to create a 'real' audience

Outcome/composite
Children will create a case for a mobile phone, using their own patterns and sewing techniques.

Outcome/composite
Children will display their polar bear sculptures in a class gallery at the front of the classroom. Families will be invited to come and see them.

Reading opportunities across the Sunrise Curriculum

The Explorer
Katherine Rundell

Song of the Dolphin Boy -
Elizabeth Laird

Kensuke's Kingdom –
Michael Morpurgo

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'What does our planet need from us?'



MUSIC
Y6 – children began to consider composition as part of a group performance.

INTENT
Children will:
1. Listen and appraise a range of songs
2. Collaborate to compose a song
3. Perform as part of a group

Sequence of lessons:
Charanga 'Plastic' unit

- 1 - Listen and appraise environmental songs and learn rap
- 2 - Identify our audience and write rhyming couplets in groups
- 3 - To work collaboratively to write a chorus
- 4 - To edit chorus and write a bridge
- 5 - To perform a song using voices and technology to add sound effects
- 6 - To evaluate our performance

Outcome/composite
Children will record a music video to be shared with other classes and with parents via Seesaw.

HISTORY
Y3 – children learned about the ancient Romans
Y5 – children learned about the ancient Maya

Sequence of lessons:

- To learn about the medical practices of prehistoric civilisations and Ancient Egyptians
- To discover the Roman attitude towards health and medicine and how this was influenced by the Greeks
- To investigate Medieval medicine and the events during the Black Plague
- To explore the medical practices of the Tudor period
- To research the medical advancements and significant people during the Victorian period.
- To explore medicine in the 20th and 21st century, including the development of the NHS

Outcome/composite
Children will make a booklet to show the history of medicine.

COMPUTING
Y2 - children learned how to organize data in a spreadsheet
Y6 - children worked with CAD in Autumn

INTENT
Children will:
1. use formulas to produce calculated data
2. use a spreadsheet to plan an event
3. create graphs and charts to evaluate results.

Sequence of lessons:

- 1 - To identify questions which can be answered using data
- 2 - To explain that objects can be described using data
- 3 - To explain that formula can be used to produce calculated data
- 4 - To apply formulas to data, including duplicating
- 5 - To create a spreadsheet to plan an event
- 6 - To choose suitable ways to present data

Outcome/composite
Children will plan a fundraising event and show profits using spreadsheet

INTENT
1. Use a computer to produce 3D models
2. Use Tinkercad to manipulate models

Sequence of lessons:

- 1 - To use a computer to create and manipulate 3D digital objects
- 2 - To compare working digitally with 2D and 3D graphics
- 3 - To construct a digital 3d model of an object
- 4 - To identify that physical objects can be broken down into a collection of 3D shapes
- 5 - To design a digital model by combining 3D objects
- 6 - To develop and improve a 3D model

Outcome/composite
Children will create a 3D model of a photo frame and evaluate it.

RE
Children have studied the Creation Story throughout their primary years. They have discussed evolution in Y6 as part of science.

INTENT
Children will:
Show an understanding of why many Christians find science and faith go together.

Sequence of lessons:

- 1 - To understand what type of text Genesis is
- 2 - Suggest what Genesis means and consider how others interpret it
- 3 - Explore cosmology and evolution
- 4 - Make connections between Genesis and God as a creator.
- 5 - Identify points from Genesis which are inspiring and helpful to Christians.
- 6 - Weigh up how far the Genesis creation narrative is in conflict or complementary of scientific accounts and give opinions.

Outcome/composite
Children will summarise their findings on a double page spread presentation.

INTENT
Children will understand how salvation and incarnation fit into The Bible's 'big picture'.

Sequence of lessons:

- 1 - Understand why Christians believe Jesus was resurrected
- 2 - Understand that the Gospels share 'good news' for Christians
- 3 - Visit the churchyard to seek examples of hope, comfort and peace on headstones
- 4 - Children consider the difference between a general hope that there is some kind of life after we die, and the Christian teaching that there definitely is a heaven, with no death, mourning, crying or pain

Outcome/composite
Children will give a one minute presentation to explain what difference believing in life after death means to Christians

PSHE
Jigsaw is based on a spiral curriculum. All puzzles are revisited year on year.

INTENT
Children will suggest strategies to avoid someone being pressurised.

Dreams and Goals
In this Puzzle the class talk about their own strengths and further stretching themselves by setting challenging and realistic goals. They discuss the learning steps they'll need to take as well as talking about how to stay motivated. The children explore various global issues and explore places where people may be suffering or living in difficult situations – whilst doing this they reflect on their own emotions linked to this learning. The class also talk about what they think their classmates like and admire about them as well as working on giving others praise and confidence.

Healthy Me
In this Puzzle the children discuss taking responsibility for their own physical and emotional health and the choices linked to this. They talk about different types of drugs and the effects these can have on people's bodies. The class discuss exploitation as well as gang culture and the associated risks. They also talk about mental health / illness and that people have different attitudes towards this. They learn to recognise the triggers for and feelings of being stressed and that there are strategies they can use when they are feeling stressed.

Outcome/composite
Children will add to a class display of our Jigsaw learning.

PE
Children have previously played Tag Rugby (Autumn Y6) as an invasion game.

INTENT
Children will learn to play in different positions on the court.

Sequence of lessons:

- Perform a variety of passes with a game with precision and control
- Perform correct footwork in a game (stride stop with a pivot)
- Perform correct footwork in a game (jump stop with a pivot)
- Perform a variety of dodges to move into a space and receive a ball in a practice and in a game
- Defend a player during a game and to intercept the ball
- Shoot into a goal and attempt to get the rebound if missed

Outcome/composite
Children will combine their skills to plan and perform group sequences which incorporate all the skills from across the unit to music.

INTENT
Children will learn about the skills players need in games such as cricket, rounders, French Cricket and Danish Longball, e.g. catching, throwing, batting and fielding.

Sequence of lessons:

- I can react quickly and catch balls thrown at different heights and angles.
- I can attack the ball using effective fielding techniques.
- I can throw the ball accurately over a large distance.
- I can strike a bowled ball over a large distance into space.
- I can bowl a ball overarm at a target.
- I can apply striking and fielding skills to complete a circuit of activities.

Outcome/composite
Pupils will create rules for their own batting and fielding games and share these with their classmates.

Curriculum Kernewek
When comparing Truro to an Arctic city, we will pause to appreciate our local area's highlights and benefits. We will consider how our home town is similar to life in another part of the wider world. We will learn about careers and jobs that are similar and different.

