Year 6

Curriculum Information – Term 2 2026

What children will be learning about:

English

This term we are writing a narrative based on Wisp which is story of hope of a child growing up in a refugee camp. Also, we will explore 'Talking History' to develop our persuasive skills when writing. This term we are focussing on different types of clauses and tenses, learning how to use them effectively.

Mathematics

This term we will be covering the topics of negative numbers; fractions, percentages, division and multiplication. The children will also look at shapes and measurement in relation to 2D and 3D (nets, volumes and properties). The children will revise their knowledge of how to add, subtract, multiply and divide fractions.

Science

This term we will be completing our unit about classification. We will learn how to classify (group) animals and plants using their physical characteristics. We will learn about Carl Linnaeus and his system of classification.

Geography

This term we are learning about Mapping the World. The unit begins by exploring what maps can tell us about the world. Pupils will learn about the different types of maps, such as physical, political, topographic, and thematic maps. They will also learn about the different purposes of maps. As pupils explore the maps, they will discover that they provide lots of information about the world around us.

DT

Our DT topic this term, we are learning about Orrery. Children will apply their knowledge of mechanisms and in particular cam mechanisms, to design and make an orrery. They learn that an orrery is a mechanical model of the solar system that shows how the planets orbit the Sun. This links perfectly with our planetarium topic in Literacy.

Computing

This term we will be completing a module about 3D modelling. We will be using the programme Tinkercad to make 3D objects. We will be looking at the difference between working digitally with 2D and 3D graphics.

Physical Education

In PE, we will be looking at health related exercise (fitness, strength and flexibility). In Games, we will have sessions with cricket coaches from the local cricket club.

Religious Education

In RE this term, our topic is 'The Golden Rule'. We will explore the idea of treating others as you would like to be treated, a principle that appears in many worldviews and religions. Our learning will focus on how Humanists interpret and live by this rule without a belief in a god. We will also compare this with similar teachings

found in major world religions, such as Christianity, Islam, Judaism, and others. Pupils will reflect on the purpose of moral guidance and rules in different belief systems and will have the chance to consider what their own personal 'golden rules' might be.

Personal Social Health and Citizenship Education

We are learning about children's rights and how these apply to children worldwide through the United Nations Convention on the Rights of the Child. We will be discussing how these rights link to children's responsibilities in the classroom and forming class rules. Children will also explore the role of parliaments and MPs in our society.

Music

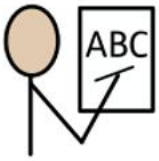
We will be studying two separate units this term. Children will explore how composers and musicians create music that is a fusion of different genres. Children will also be writing a protest song inspired by the Suffragette movement.

Booster classes

Booster classes have started for some identified children. Please ensure your child is in school by 8am and attends all the boosters they have been offered – it really does make a difference! Thank you for supporting your child arrive at school earlier.

Homework

Every day, your child should :

Read for 15 minutes. Complete Reading Record.			
Practise TT Rockstars for 5 minutes.			
Practise spellings for 10 minutes Spelling Test is every Tuesday.			

Every Friday at 5pm, SATs companion homework will be live. Children will need to complete a Reading, Grammar and Maths task. They will have until Wednesday morning to complete all three tasks.

Complete SATs Companion tasks on the Chromebook.
This should take about 60 minutes in total.



PE Kit

Your child needs to wear a PE kit to school on the following days:
Turquoise: Tuesday and Wednesday
Indigo: Monday and Tuesday

Ways to help your child

- Get them to school on time: 8.35 am for an 8:45am start.
- Make sure they are in bed at a reasonable hour and have a good night's sleep.
- Encourage them to eat breakfast. It is essential for concentration.
- Your child has homework every night. Try to find time to discuss it. Try and make sure they have time and space to do it well.
- Help them practice their times tables.
- Visit the library.
- Make sure your child is wearing the correct uniform and P.E. kit.
- Use the internet to find out about class projects.
- Visit museums and galleries that relate to class projects.
- Offer encouragement and praise.
- Book a time to come and see us if you are worried about **anything.**

Year 6 Unit 1: Mapping the world — Knowledge organiser

Geography Mastery

Maps

Different maps are designed for different uses.

A cartographer is someone who makes maps.











OS maps:

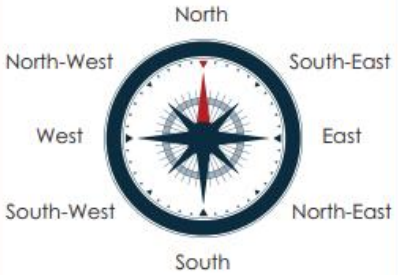
- have gridlines to describe the location of different symbols or features
- can have four-figure grids to locate a grid square
- can have six-figure grids to locate a specific place
- uses symbols to help find features more easily.

Investigations



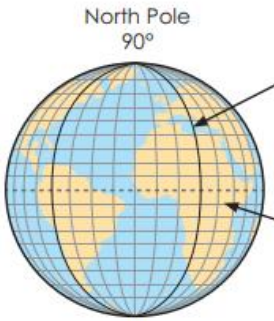
- Fieldwork is when you go outside to explore the local area and find out more about it.
- Fieldwork can involve investigating both human and physical features.
- When carrying out fieldwork, we need to plan, research, collect, and record data.
- We can present fieldwork findings, and analyse them to find conclusions.

Compass



Longitude and latitude

Longitude and latitude are measured in degrees (°), minutes (‘), and seconds (“).



Lines of longitude:

- also called meridians
- run from north to south between the North and South Pole
- show how far something is east or west of Greenwich in London, England.

Lines of latitude:

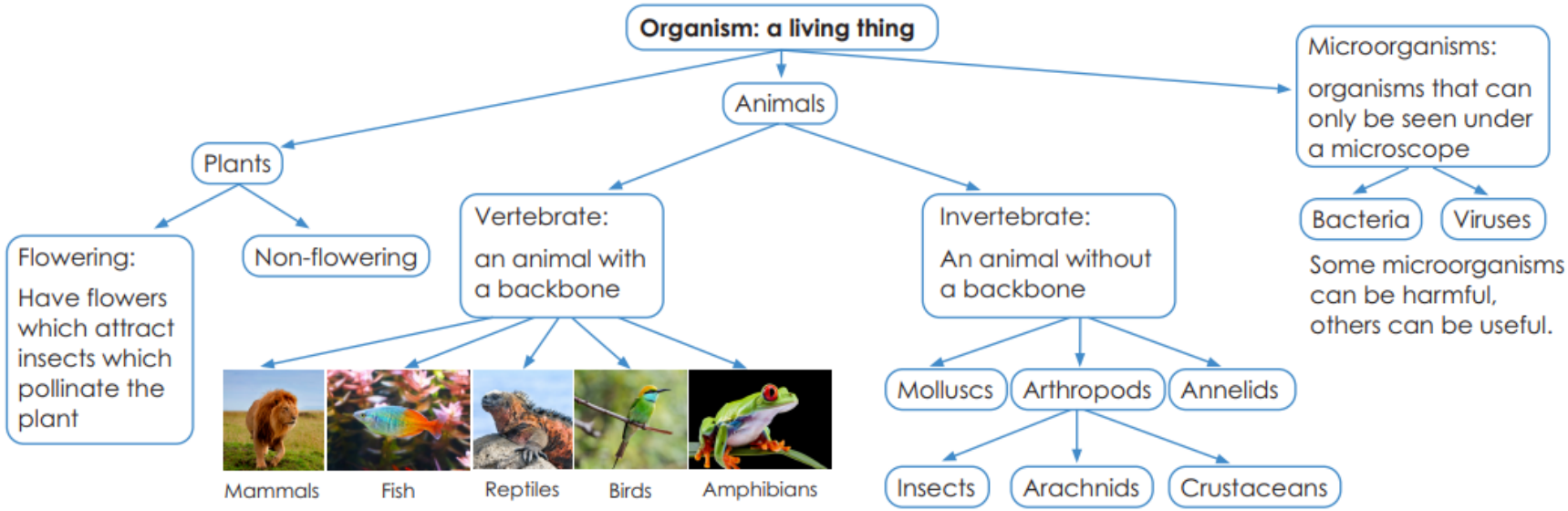
- parallel to each other from east to west
- show how far something is north or south of the Equator.

Year 6 Unit 2: Classification — Knowledge organiser

Science Mastery

Classification

Arranging organisms into groups based on their physical characteristics is called classification. Classification allows scientists to name, study, and discuss organisms more scientifically. Groups of organisms that can reproduce to create offspring are members of the same species.



Microscopes

The use of microscopes has made classification more precise.



Vertebrates

Vertebrates can be warm-blooded or cold-blooded. They can give birth to live offspring, or lay eggs.

ORRERY
KNOWLEDGE ORGANISER

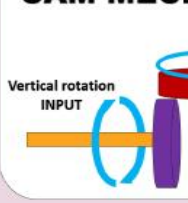
TECHNICAL KNOWLEDGE

WHAT IS AN ORRERY?



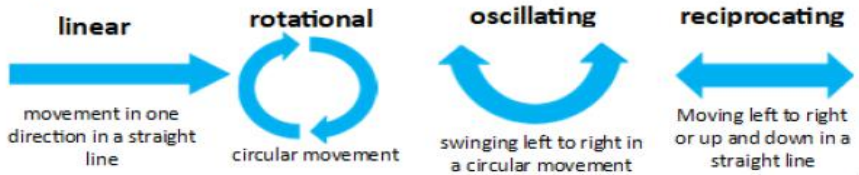
An Orrery is a mechanical model of the Solar System that shows how the planets orbit the Sun.

CAM MECHANISM



The orrery uses a cam mechanism which turns vertical rotational movement into horizontal rotational movement.

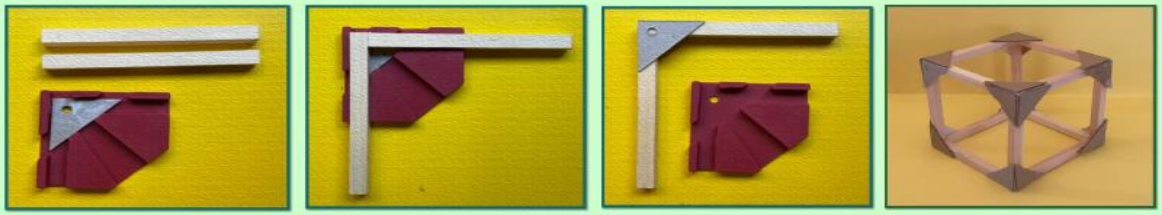
Types of Movement



WORD KNOWLEDGE (VOCABULARY)

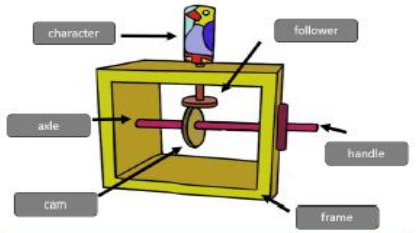
WORD	MEANING
Adapt	To improve a product by changing its design or how it is made.
Annotate	Add brief notes to a design sketch to make things clearer or to give more detail.
Axle	The shaft on which wheels are carried on, sometimes the wheels are fixed to the axle.
Cam	A non-circular disc that when rotated causes an up and down or start-stop motion to a connected part.
Cutaway Drawing	A drawing that shows the construction of an object by showing the outer parts 'cut away'.
Decorate	Adding colour, texture and pattern to a surface of a product to improve its appearance.
Follower	A follower is usually a slider or lever that is moved by a cam.
Frame	A structure assembled from long thin strips of material.
Mechanical Component	A part of a product that is used in a mechanism e.g., a wheel, gear or pulley.
Mechanism	A set of mechanical components assembled to perform a particular task.
Motion	A continuous action of movement.
Orrery	An Orrery is a mechanical model of the Solar System that shows how the planets orbit the Sun.
Prototype	A model of a design that shows how it works, what it looks like and can be tested to see if it works as it should.
Reinforce	To strengthen or stiffen a product so that it can perform its function better.
Rotary	Movement involving revolving around a centre or axis.
Sketch	A quick design or drawing of an idea for a product.
Triangulation	Using struts to provide a structure with strength and stability.
Viewpoint	One person's thoughts and ideas about a particular product or idea.

PRACTICAL KNOWLEDGE (THE JINKS METHOD)



ADDING CORNER STRUTS HELPS TO MAKE THE STRUCTURE STRONGER, STIFFER AND MORE STABLE

CAM COMPONENTS



Name: .....

Class: .....

Shadows

Year 6 Term 1

Lindsey Stirling



- American artist from California.
- Influenced by country fiddle music, dance music, and rock.
- She learned the violin from a young age.
- She studied filmmaking at university.
- Creating videos combines all her passions: music, dance, and film.

The unit of work will explore how composers and musicians create music that is a fusion of different genres; country, rock, electronic dance music (EDM), DJ, drum and bass, impressionism, and classical.

Timbre - The different sound qualities of these instruments and the way the sound is made (electronically or acoustically) adds to the character of the music.

Tokio Myers



- British artist from London.
- Learned piano from the age of 9.
- Offered a scholarship to study music at the Royal College of Music London.



electric Violin

acoustic Violin





electric Guitar

bass Guitar





drums

electronic beats



guitar pedals

orchestral Violins





Name: .....

Class: .....

Year 6 Term 1

Composing for protest





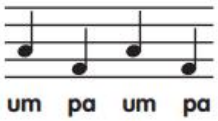
In this unit …

English composer Ethel Smyth used music to put across the message of the Suffragettes when she wrote their *March of the women* anthem. You will have the chance to write a protest song inspired by Ethel's anthem and the Suffragette movement.

Ethel Smyth (1858 - 1944):

- English composer.
- In 1922 she was made a Dame Commander of the Order of the British Empire in recognition of her work as a composer.
- She studied music at Leipzig Conservatory in Germany.
- She composed music for orchestras, choirs, and many operas.

March beat:



Melody

- using 5 notes:



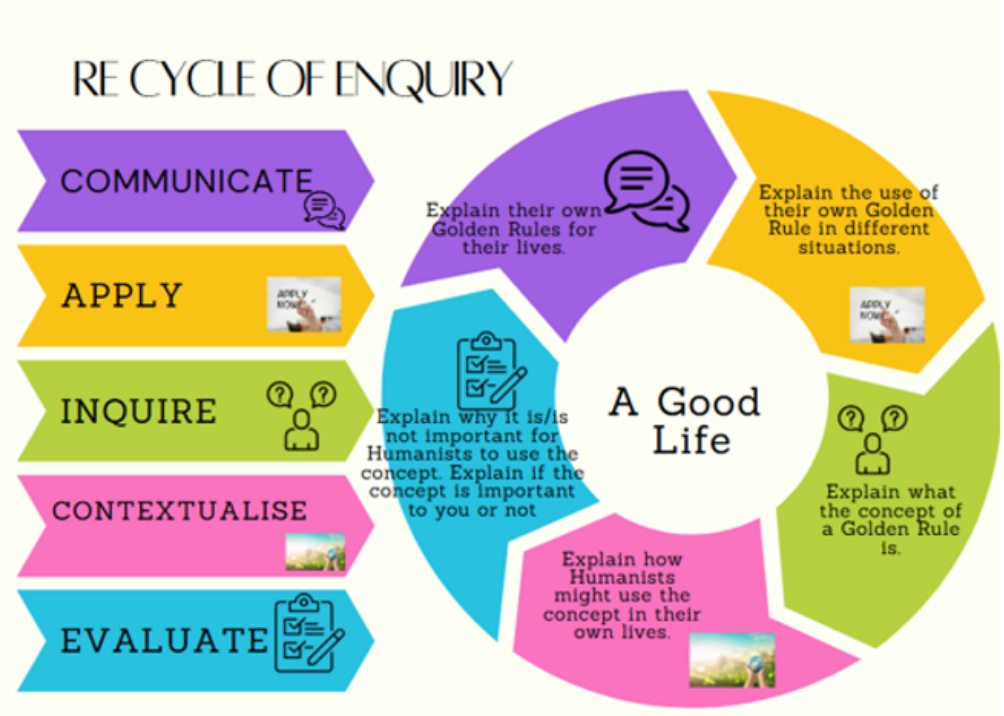
March of the women:





Year 6 - HT6- The Good Life

How do Humanists believe they can lead a good life?



Key Vocabulary:

The golden rule	a moral principle recommending that people treat others as they would want to be treated themselves
legacy	actively creating a positive and lasting impact on the world and the lives of others while you are still alive, rather than waiting until after death
humanism	a philosophical stance that believes human agency, reason, and ethics, often in contrast to religious or supernatural explanations
Respect for others	acknowledging their value and dignity as human beings, treating them with consideration and courtesy, and valuing their opinions and feelings
empathy	the ability to understand and share the feelings of another person