

Year 5 Spring Term 2025 Curriculum Map

Maths

Multiplication and Division: Written methods for multiplication and division. Multiplying Fractions by integers

Fractions: Finding fractions of amounts and quantities: tenths, hundredths and thousandths.

Decimals and Percentages: decimals and fraction equivalents, comparing and ordering decimals.

Perimeter: finding perimeters, areas and estimating areas of shapes.

Statistics: Drawing line graphs, reading and interpreting tables.

Shape: Understanding and using degrees, measuring and estimating angles.

History

Raiders and Invaders: Vikings and Anglo Saxons- Sticky Knowledge:

- To know when and where the Vikings came from and say why they raided Britain.
- To know and compare the significance of some Anglo-Saxon kings during the Viking period.
- To know key aspects of Viking life.
- To know how the last Anglo-Saxon kings shaped Britain.
- To know how the Anglo-Saxon and Viking era ended in Britain and how the Norman era began after The Battle of Hastings in 1066

Computing – Programming A: Selection in physical computing

- Crumble controls / command blocks
- If...then...else loops and how they work
- Repetition needs carefully programming- repeat x times / infinite and the differences between

Data and Information: Flat-file databases

- Databases can be paper-based or computer-based.
- A database consists of records, each record containing different fields of data.
- Records can be grouped or sorted according to the information in a field.
- Questions can be asked to sort and search the database.

P.S.H.E

What makes up a person's identity? Sticky Knowledge:

- I know how to show respect to others identity, i.e ethnicity, family, faith, culture, gender, hobbies, likes and dislikes.
- I know how to challenge stereotypes

How can we communicate with friends safely? Sticky Knowledge:

- know ways to stay safe online
- know that online friendships are different and how to keep personal information safe
- know how to communicate safely online
- know about the importance of gaining and giving consent
- know what to do if we feel unsafe or worried whilst online

English

Please find below the core texts we will be using and the text type we will be writing.

- The Last Bear- Internal Monologue, Diary/Flashback
- Hidden Figures- Balanced Argument, Persuasive Letter
- The Sleeper and the Spindle- Character description/ Narrative, poems.

Art and Design

Artist: Peter Thorpe

Outcome: Creating a rocket picture

Sticky knowledge:

- to know facts about the artist, Peter Thorpe
- know how to create different paint effects to make a background using a range of techniques such as layering and splattering.
- Know how to use colours effectively for impact.
- To know how to use a mixture of media for impact and effect.
- To know how to use a range of techniques with pastels and pencils such as shading and blending.

Music: Unit three: Rhythm

- I can use a variety of timbres and techniques when creating and playing music
- I can use and respond to basic musical symbols including standard notation
- I can create and play contrasting rhythms within a range of time signatures

Unit four: Pitch

- I can begin to create music which demonstrates an understanding of basic structure and an awareness of contrasting pitches and melodies.
- I can play from standard pitch notation in the treble clef.
- I can begin to use a variety of musical devices and techniques when creating and making music

Religious Education

Why do Christians believe Jesus was The Messiah? Sticky Knowledge:

- Show how Christians put their beliefs about Jesus' Incarnation into practice in different ways in celebrating Christmas
- Comment on how the idea that Jesus is the Messiah makes sense in the wider story of the Bible

Why is The Torah so important to Jewish people? Sticky Knowledge:

- Make clear connections between Jewish commandments and how Jews live (e.g. in relation to kosher laws)
- Give evidence and examples to show how Jewish people put their beliefs into practice in different ways (e.g. some differences between Orthodox and Progressive Jewish practice)

P.E.

- Gymnastics
- Invasion Games
- Net and Wall
- Dance

Science

Earth and Space - Sticky Knowledge:

- The Sun is a star. It is at the centre of our solar system.
- There are 8 planets (can choose to name them, but not essential). These travel around the Sun in fixed orbits.
- Earth takes 365¼ days to complete its orbit around the Sun.
- The Earth rotates (spins) on its axis every 24 hours.
- As Earth rotates half faces the Sun (day) and half is facing away from the Sun (night).
- As the Earth rotates, the Sun appears to move across the sky.
- The Moon orbits the Earth. It takes about 28 days to complete its orbit.
- The Sun, Earth and Moon are approximately spherical.

Forces - Sticky Knowledge:

- A force causes an object to start moving, stop moving, speed up, slow down or change direction.
- Gravity is a force that acts at a distance, pulling everything towards the centre of earth.
- Air resistance, water resistance and friction are contact forces that act between moving surfaces.
- The object may be moving through the air or water, or the air and water may be moving over a stationary object.
- A mechanism is a device that allows a small force to be increased to a larger force but it requires a greater movement.
- Pulleys, levers and gears are all mechanisms, also known as simple machines.

Geography

Should I climb Mount Everest? Sticky Knowledge

- To locate the Himalayas on a world map and Mount Everest
- Locate a few physical and human characteristics of Mt Everest
- To understand the weather conditions and how these can change at different points of the mountain.
- To be able to use information about changing weather patterns to inform decisions about whether climbing Mount Everest is safe.
- To know the risks to the human body when faced with freezing weather conditions
- To know how mountaineers ascend and descend Mount Everest
- To understand why Mount Everest is divided into different stages both when ascending and descending the mountain and that this journey can take up to two months to complete.
- To know how the mountain brings tourism to Kathmandu and what impact this has on people locally.

Design and Technology

Mechanisms and Systems- Moon Buggies

Sticky Knowledge:

- To know how to strengthen, stiffen and reinforce more complex structures – right angled joints, triangular stiffeners
- To know how to use pulley systems to drive and control axles
- To know how to use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and/or motors]
- To know how to use a hacksaw safely