



Kibworth C of E Primary School
Year 5
Spring 1 2025 - Stargazers



Dear Parents and Carers,

What a fantastic start we have had in Year 5 - we have been very impressed with how hard all the children have been working! The Autumn term was a blast, and lots has been learnt. Our theme park models were a real success, and we enjoyed sharing our class theme parks with you. We hope you have had a wonderful Christmas and New Year and are now refreshed and ready for another term of exciting learning!

This term we are heading off to Space in our next topic 'Stargazers.' This is a fantastic topic, so we hope you enjoy it as much as we do!

Please continue to engage with reading passports this term; This is a great chance to engage with a wide variety of books and challenge yourself reading!

English

Throughout our English learning this term, we are going to be learning about how to write for a range of purposes. Our focus for this term is writing to inform and discuss. We will also consolidate and build on our inference and vocabulary reading skills through the use of *Sputnik's Guide to Life on Earth* by Frank Cottrell Boyce.

To write a newspaper article using formal language and logical conjunctions.

To begin the term, we will be learning how to apply our writing skills to newspaper articles about Space. Children will apply their scientific (tier 3) vocabulary and logical conjunctions to write about Galileo discovering that the world is a roughly spherical object.

To write a discussion using formal devices and colons for a list.

After that, the Children will be taught how to identify more than one perspective on a given topic and how to link their ideas using cohesive devices. In addition, they will explore how to use formal devices to create a convincing discussion and colons for a list.

Guided Reading: *Sputnik's Guide to Life on Earth* (Developing Inference)

We will be developing our reading comprehension skills through a close study of the story 'Sputnik's guide to life on Earth' by Frank Cottrell Boyce. Throughout the unit we will develop our prediction and inference skills using appropriate evidence from the text to support our ideas.

Mathematics

Fractions, decimals and Percentages

Children will learn about equivalent fractions, decimals and percentages and how to convert between them. They will develop calculation with fractions, decimals and percentages, learning how to add, subtract and multiply. They will also apply their learning into problem-solving and reasoning.

Geometry and measurement

To begin the term, children will develop their understanding of angles and will learn the skill of using a protractor to accurately and draw angles. Children will build on their learning from Year 4 to find the area and perimeter of rectilinear shapes. They will learn how to identify regular and irregular polygons. Children will be able to identify 3D shapes from their 2D

representations.

Key areas of learning:

Science	Computing
<ul style="list-style-type: none">▪ Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.▪ Describe the movement of the Moon relative to the Earth.▪ Know how night and day are created.▪ Know the meaning of 'spherical'.▪ Know how to determine the Sun, Earth and Moon are spherical - Aristotle.▪ Know the structure and order of the solar system.	<ul style="list-style-type: none">▪ Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.▪ Use sequence, selection, and repetition in programs, work with variables and various forms of input and output.▪ Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.▪ Know how to work a programme that asks questions and use selection to control the outcomes based on the answers given.
Art - Painting	RE- What does it mean if Christians think God is holy and loving?
<ul style="list-style-type: none">▪ Explore colour mixing and blending techniques with coloured pencils, oil pastels and paints.▪ Create a sketchbook to collect and develop ideas.▪ Carry out studies, trying out different media and materials and mixing appropriate colours.▪ Mix and match colours to create atmosphere and light effects and work with complementary and contrasting colours to create their final piece.	<ul style="list-style-type: none">▪ Know that Christians believe God is omnipotent, omniscient and eternal, and that this means God is worth worshipping.▪ Know that Christians believe God is both holy and loving, and Christians have to balance ideas of God being angered by sin and injustice (see Fall) but also loving, forgiving, and full of grace.▪ Know that Christians do not all agree about what God is like, but try to follow his path, as they see it in the Bible or through Church teaching.
Music	PE - Outdoor Adventurous Activities & Handball
<ul style="list-style-type: none">• Know how to create increasingly complicated rhythmic and melodic phrases using a small range of notes within given structures.• Know how to play and perform parts in solo and ensemble contexts with a range of notes and increasing accuracy and expression.• Know how to recognise and use a range of musical notations and begin to use staff notation.• Know how to describe, compare and evaluate music using musical vocabulary.	<ul style="list-style-type: none">• To explore different ways of communicating with a blindfolded partner.• To follow a designated route at maximum speed and complete a task safely.• To use memory methods to recall different objects whilst navigating.• To use clear communication to recreate a shape as a team.• To use imagination and creative thinking to create the tallest marshmallow tower.• To send and interpret messages using Morse code.• To goal keep by closing the angles attackers can shoot from.• The double fault rule and how it applies to dribbling.• To perform a pivot to create space to pass or shoot.• The role of set plays to create opportunities to score.• To select and apply new skills in a competition situation

Please make sure that your child has the appropriate indoor and outdoor PE kits especially during these colder months.

Outline of Learning Journey

Engage- BLAST OFF!	This week we will consider what we already know about Space and what we would like to discover. We are also really excited to visit the space centre during this half term to continue our learning!
Early Astronomers	We will take a trip back in time to learn about how early astronomers explained the movement of the earth and other planets relative to the sun. We will also explore how early astronomers identified the spherical shape of the Earth.
Earth, Moon and sun.	During these weeks, we will describe the movement of the Earth, and other planets, relative to the Sun in the solar system. We will learn about all of the planets in our solar system and their relative distances.
Painting Planets	During these weeks, we will apply our knowledge of analogous colours and texture to draw and create our own planets using paint.
Music	During these weeks, we will learn how to create increasingly complicated rhythmic and melodic phrases using a small range of notes. We will play and perform parts in solo and ensemble contexts with a range of notes and increasing accuracy and expression.
EXPRESS	To express our learning, we will be opening our own Space Museum which will have exhibits created by the children and shown to another year group.

Things that you could do at home:

- Keep a moon diary over the course of a lunar month.
- Find out about constellations and how these link to your family's star signs.
- Go for a walk on a clear night and see if you can spot any constellations in the sky.
- Think of a song to help you remember the order of the planets.

Here are a few ideas of how you can support your child's learning at home this half term:

- Use Times Table Rockstars to practice rapid recall of times tables. <https://ttrockstars.com/login>
- Consolidate learning at home using Century. Following your child's recommended learning pathway will help your child become stronger in areas that the AI has identified they could improve in.
- Continue to support your child's reading and recording of reading at home. Encourage them to discuss what they have learnt from their reading: this may be through clarifying unknown vocabulary or answering the types of questions we shared with you at parents' evening.

Thank you so much for your continued support. We are looking forward to a fun-filled half term.

From the Year 5 team

Miss Binczik, Mr Swingler, Mrs Coade, Mrs Spencer, Mrs Kandola and Miss Groom.