



Kibworth C of E Primary School
Year 5
Spring 1 and 2
Stargazers



Dear Parents and Carers,

What a fantastic start we have had to 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. We hope you have had a wonderful Christmas and New Year celebrating and we hope you 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 (Miss Parrott's favourite) so we hope you enjoy it as much as we do!

Please continue to engage with reading passports this term; lots of stamps have been collected already. 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 entertain, 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 for high school children using appropriate tier 3 vocabulary.

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 discussion about Who won the Space Race using formal devices.

Children will be introduced to a new purpose for writing (to discuss). They 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 language to create a convincing discussion.

To write a narrative adding well-chosen detail to affect the reader.

To end the term, children will be taught about the conventions of a typical narrative to write an entertaining story about entering a new planet. They will look at how to add extra information using different strategies such as brackets, dashes and expanded noun phrases.

Reading unit: 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. Our grammar work will focus on using commas to avoid ambiguity and parenthesis.

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 apply

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

their learning into problem-solving and reasoning.	shapes. They will learn how to identify regular and irregular polygons. Children will be able to identify 3D shapes from their 2D representations.
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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. Compare a variety of materials and measure their effectiveness (e.g. hardness, strength, flexibility, solubility, transparency, thermal conductivity, electrical conductivity). 	<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.
Art	RE- What Would Jesus Do?
<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"> Identify features of Gospel texts. Taking account of the context, suggest meanings of Gospel texts studied, and compare their ideas with ways in which Christians interpret biblical texts, showing awareness of different interpretations. Make clear connections between Gospel texts, Jesus' 'good news', and how Christians live in the Christian community and in their individual lives. Relate biblical ideas, teachings or beliefs (for example, about peace, forgiveness, healing) to the issues, problems and opportunities of their own lives and the life of their own community in the world today, offering insights of their own.
Music	
<ul style="list-style-type: none"> Play glockenspiel with control and rhythmic accuracy. Practise, rehearse and present performances with an awareness of the audience. Listen with attention to a range of high quality live and recorded music, to detail and to internalize and recall sounds with increasing aural memory. Understand the key vocabulary of pitch, duration, dynamics, tempo, timbre and texture to communicate a space mood. Explore, choose, combine and organise musical ideas within musical structures. Improve their own and others' work in relation to its intended effect. Use and understand staff and other musical notations. 	

Outline of Learning Journey

BLAST OFF!	This week we will consider what we already know about Space and what we would like to discover. It will include the making of our own comet.
The round Earth debate	This week we will take a trip back in time to learn about how astronomers identified the spherical shape of the Earth.
Interplanetary Worlds	We will learn about all of the planets in our solar system and their relative distances. There will be chances to compare different planets to our home planet

	and we will identify why we are the only 'Goldilocks planet' in our solar system.
Drawing Planets	During these weeks, we will apply our knowledge of analogous colours and texture to draw and create our own planets.
Space Race	Who was the first man to get to the moon? What was the first animal to visit space? These are all questions that will be answered during this week as we learn about the race between USA and the USSR to be the victorious country. We will debate who we believe won the Space Race from the evidence we gather.
Moon Mission	We will learn about who has visited the moon, what we would need to take with us to survive a mission to the moon and how our mass would change on different planets.
Space Junk	During these weeks, we will look at the issue of Space Junk and begin to understand why Space Junk is orbiting the Earth.
EXPRESS	To express our learning, we will be opening our own Space Museum which will have exhibits created by the children.

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