

Parent Curriculum Information

Year 5 Spring 2023



School Vision and Motto

At Barley Lane Primary School it is important that we all work together to ensure that everyone feels happy, safe and ready to learn.

Our School Motto

Believe in yourself, **L**earn together, **P**ersevere and **S**ucceed



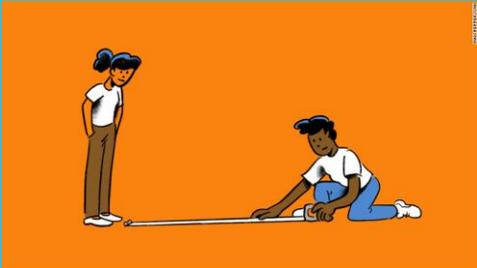


Meeting Outline

- 1. Welcome
- 2. Spring Curriculum Topics and Big Question
- 3. English
- 4. Maths
- 5. Science
- 6. Foundation Subjects
- 7. Communication
- 8. Questions



Spring Curriculum Topics



Spring Topic: To infinity and beyond

Big Question: Is there life on Mars?



English

Our key texts are:

Writing focus-Curiosity: The Story of a Mars Rover, All Summer in a Day,

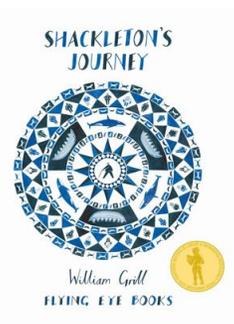
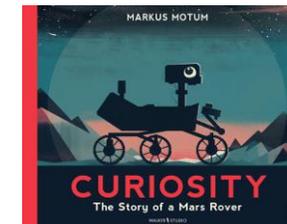
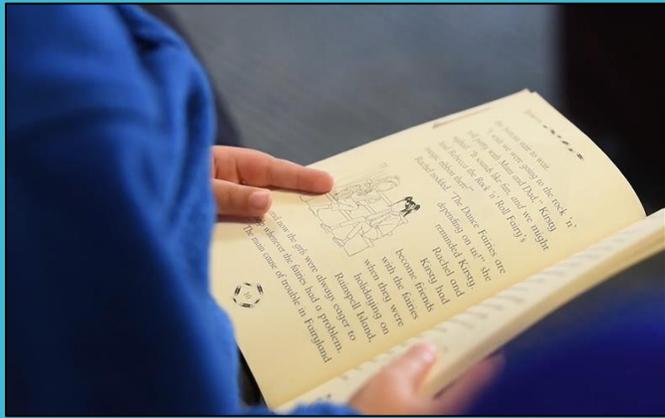
Reading focus- Shackleton's Journey

Grammar focus- relative clauses, brackets and dashes for Parenthesis, commas for clarity.

Speaking and listening- Debate related to 'Is there life on Mars?', Diversity- links to wider world and across historical eras.

The key texts link to the topics that we are studying. 'Curiosity' is a story of NASA's Space rover in search for life on Mars. 'Shackleton's Journey' explores Shackleton's expedition to the Antarctic.

Using these texts children complete extended pieces of writing including a non-chronological report, descriptive writing, narrative writing and persuasive writing.





Maths

Spring 1-Multiplication, division and fractions

- Multiplication and division using formal written methods
- Identify name and write equivalent fractions
- Recognise mixed numbers and improper fractions
- Ordering and comparing fractions

Spring 2-Fractions and decimals

- Add and subtract fractions
- Multiply proper fractions and mixed numbers by whole numbers
- Read and write decimal numbers as fractions
- Solve problems involving fractions
- Read, write, order and compare numbers with up to three decimal places.

Mathematical explanations and reasoning throughout.

Science

Spring 1 – Space (To infinity and beyond)

Big question – *Is there life on Mars?*

- Explore our solar system and their features
- Develop scientific enquiry questions
- Describe the movement of Earth/other planets as spherical bodies
- Understand the idea of the Earth rotating to explain day and night
- Observing, measure, record and identify patterns
- Reporting and presenting findings from enquiries, including conclusions

Spring 2 – Materials

- Compare and group together everyday materials on the basis of their properties, including their hardness, transparency, and conductivity.
- Investigate the insulating properties of a range of materials
- Test a range of materials for their absorbency, strength and durability
- Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- Identify scientific evidence

Foundation Subjects



PSHE – living in the wider world including parts of new RHE curriculum. Discuss how and why laws are made, the role of finance and becoming a responsible citizen. With aspects of E-safety and time spent on devices.

Art & DT – In the first half term we will be designing and making our own Mars rovers, linking to our topic and key text. In the second half term, we will be exploring an artist named Rachid Koraichi, with a focus on skills and techniques used in calligraphy.

RE – The Five Pillars of Islam, the significance of the Qur'an, key religious stories, the importance of sunnah and hadith and comparison with other religious beliefs.

History & Geography - Early Islamic empire from AD 700 with a focus on Baghdad in AD 900.

Explorers - Ibn Battuta, in comparison to Ernest Shackleton, this links to our RE topic and texts used in class.

Computing – E-safety, VR designers and web developers.

Music – A musical journey through the solar system.

PE – Fitness and circuit training in indoor PE and invasion games in outdoor PE.

Diversity



- In Year 5, we are continuing to diversify our curriculum, so that it is representative of the children that we teach and so that they are able to make links to their learning.
- When learning about Space and exploration, children will learn about different explorers ranging from Ibn Battuta to modern day explorers, including female explorers. Children will also learn about the role that women have played in shaping NASA.
- Through our history and geography curriculum, children will learn about significant Islamic scholars such as Al-Zahrawi and Al-Khwarizmi, and their role in the Golden Age of Islam.
- Our key artist for this term is Rachid Koraichi, who comes from Algeria. Children will have the opportunity to explore his background and culture, in order to learn about his style of artwork.
- In addition to this, one our key texts this term 'The Boy at the Back of the Class' is a story about refugees, friendship, kindness and adventure.

Communication with Parents



Homework and spellings are set every Friday on Purple Mash, please support your children in completing their home learning online. Children also have the option of taking a reading book home each week, which they should bring back to school on a Thursday. In addition to supporting your child with their homework, please encourage them to read for at least fifteen minutes each day.

We hope that this information has given you an insight into our learning for this term. If you have any other questions about the curriculum, please arrange a meeting with your child's class teacher, this can be done via the school office.

You can also find our Spring Topic Web on the school website, this will provide you with an overview of topics taught.

Any questions?



Please do not hesitate to contact us if you have any further questions.

We hope you found the information shared useful.

Thank you for reading.