



YEAR 5

Spring Terms



Dear parents/carers,

We hope you all had a wonderful winter break! Since September, we have been impressed at how well the children have settled into Upper Key Stage 2. They have taken on new challenges incredibly well and their enthusiasm for learning has been infectious. We would also like to thank you all for your support throughout our Year 5 journey together so far.

Our Spring Term Learning Theme is **Exploring The Unknown**. We know that the children will be excited and engaged with their learning, as much of our work will focus on the exciting theme of **space**.

If you have any questions regarding your children's learning, please do come and speak to us at the gate at the end of the school day, or email us:

owls@holbrookprimaryschool.com

eagles@holbrookprimaryschool.com

For all other instances, including with regards to attendance, clubs, concerns or wider queries, please contact the school office – 01403 272500 or office@holbrookprimaryschool.com

Mr Thompson (Owls Class)

Mrs Filson (Eagles Class)

Spring Terms – *Exploring the Unknown*

Maths

Multiplication & Division
Fractions
Decimals & Percentages
Perimeter & Area
Statistics

RE

Hinduism (key beliefs)
Christianity (significance)

PE

Invasive games
Gymnastics and strength

PSHE

Community & Belonging
Digital Resilience
Money & Work

Art

Illustrators Project
Abstract Art

Science

Earth & Space
Forces
Computing
Physical coding
Systems & Networks

Music

Mixing & Looping
Composition (colours)

History

Moon Landings
Vikings

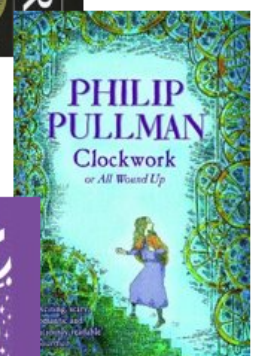
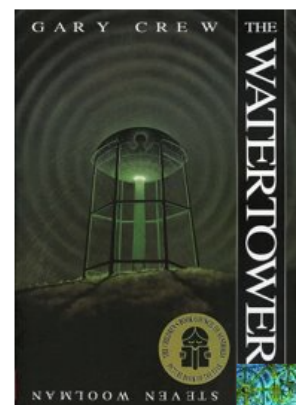
Geography

'Where does our energy come from?'

DT

Moon Buggies

French - Extending vocab.



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Our learning theme: *Exploring the Unknown*

Through our science, history and core texts, we will explore the wonders and curiosities of space. In science will focus predominantly on our solar system and our planets; how they orbit the sun, how we get day and night and how our seasons change, before moving on to learning about forces. Our key texts cover space adventure and mystery, which will empower our writing.

English

Writing Purposes

WRITING FOR PLEASURE!

To entertain (eg narrative, description, poetry)

To inform (eg report, biography, newspaper)

To persuade (eg advert, speech, campaign)

To discuss (eg argument, newspaper, review)

We will explore wider and more ambitious use of punctuation. We will be encouraging our children to improve both quality and quantity of written work. We will be fuelling our creative writing this term through our key texts and opportunities to write their own space adventures. We will be focusing on editing our work, descriptive and narrative writing skills, more advanced grammar but most importantly, **writing for pleasure!**

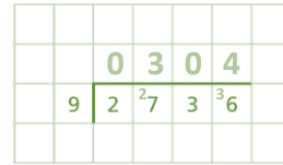
Maths

Multiplication & Division

We will extend our skills, knowledge and confidence from the Autumn Terms as we revisit multiplication and division, covering multiplication and division with more advanced calculations using formal written methods.

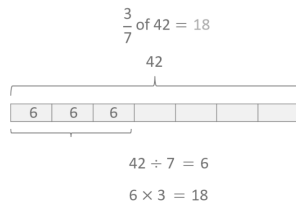


$$\begin{array}{r} 1,234 \times 6 \\ 1,234 \times 20 \end{array}$$

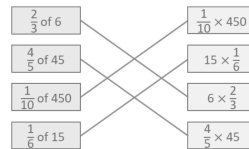


As we move in to our second unit of fractions, we will explore deeper problems, including finding more complex fractions of amounts, multiplying fractions and identifying a wider range of patterns.

Fractions



Match the calculations that give the same answer.



For each calculation, decide which is easier to work out.

$$\frac{1}{7} \times 3 = \frac{3}{7}$$

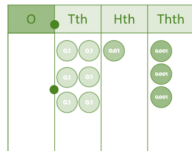
$$\frac{2}{7} \times 3 = \frac{6}{7}$$



To multiply a fraction by an integer, I multiply the numerator by the integer and the denominator remains the same.

We will revise prior knowledge of decimals and percentages and their relation to fractions. We will extend children's place value knowledge to thousandths of a number and equivalent percentages. We will explore rounding to the nearest whole and tenth.

Decimals & Percentages



There are 0 ones.

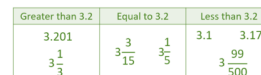
There are 6 tenths.

There is 1 hundredth.

There are 3 thousandths.

The number represented is 0.613

Round the numbers to the nearest tenth.



$$3.2 = 3\frac{2}{10} = 3\frac{1}{5} = 3\frac{3}{15} = 3\frac{100}{500}$$

0.8

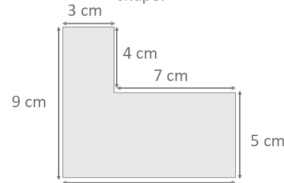
$$\frac{4}{5} = \frac{80}{100}$$

80 %

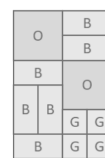
We will revise how to calculate the perimeter and area of rectangles, rectilinear shapes and polygons. We will extend our knowledge by calculating the area and perimeter of compound shapes.

Perimeter & Area

Work out the unknown length on the rectilinear shape.



Each orange square has an area of 36 cm²



Calculate the total orange area.

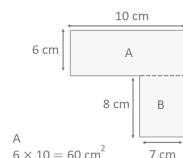
$$2 \times 36 = 72 \text{ cm}^2$$

Calculate the total blue area.

$$6 \times 18 = 108 \text{ cm}^2$$

Calculate the total green area.

$$4 \times 9 = 36 \text{ cm}^2$$



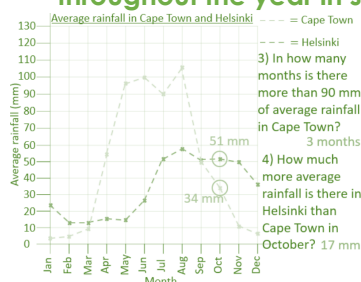
$$A: 6 \times 10 = 60 \text{ cm}^2$$

$$B: 8 \times 7 = 56 \text{ cm}^2$$

$$60 \text{ cm}^2 + 56 \text{ cm}^2 = 116 \text{ cm}^2$$

We will interpret data from, and show data in: line graphs, tables, two-way tables and timetables. We will consolidate knowledge of tables, line graphs and bar charts throughout the year in science as we record data collected in our investigations.

Statistics



Activity Day Choices

	Boys	Girls
Abseiling	16	12
Archery	14	20
Tennis	9	12

- What does the number 20 mean in the table?
20 girls chose archery
- How many boys chose archery or tennis?
 $14 + 9 = 23$ boys

Bus Timetable

Bus Station	11:30	12:30	13:30	14:30
School	11:37	12:37	13:37	14:37
Swimming Pool	12:03	13:03	14:03	15:03
Health Centre	12:20	13:20	14:20	15:20
Library	12:35	13:35	14:35	15:35

- Annie leaves the Health Centre at 13:55
What time will she arrive at the Library?
She catches the 14:20 bus from the Health Centre.
She arrives at the Library at 14:35

PE	History	Geography
<p>In the first half-term, Year 5 will have the opportunity to practise and develop golf skills (taught by an external provider).</p> <p>Fitness → Tuesdays (outdoor PE) Golf → Wednesdays (indoor PE)</p>	<p>Vikings</p> <p>We will consolidate our knowledge of Anglo-Saxons and look at Viking life and relations with a 'Viking Day'.</p> <p>Moon Landings and Space Exploration</p> <p>We will explore significant individuals and developments.</p>	<p>Volcanoes and Earthquakes</p> <p>We will explore how volcanoes are formed, where they can be found and their impact on local populations.</p> <p>Where does our energy come from?</p> <p>We will explore the energy types and environmental impacts.</p>
RE	PSHE	
<p>Hinduism: <i>How can Brahman be in everywhere and everything?</i> (we will also explore Holi)</p> <p>Christianity: <i>How significant is it for Christians to believe God intended Jesus to die?</i></p>	<p>In PSHE, we will explore the importance of belonging to a community, with a focus on our shared responsibility to take care of our local environment. We will cover money and work, where we will explore the importance of being responsible with money, explore various careers/industries and the importance of diversity in the workplace. We will revisit online safety, focusing on safe and reliable content.</p>	
Art	Music	French
<p>We will explore abstract art, focusing on space/rocket artwork by Peter Thorpe. We will investigate techniques and create our own art with influences from real artists. We will also take part in an illustrators project.</p>	<p>We will explore how composition of music can represent a variety of things, for example emotions and colours (which we will link to our learning about Holi in RE). We will explore techniques for looping and mixing music and why we might do this.</p>	<p>Throughout the year, children will be extending their knowledge and vocabulary in French.</p> <p>Core prior vocabulary will also be consolidated throughout the year to further secure children's French skills.</p>
DT	Science	Computing
<p>In DT this term, we will look at electrical systems and structure. We will complete a DT / Computing mash-up project where we create and code mini 'moon buggies'.</p>	<p>In Earth and Space, we look at our solar system, planets, and how our orbit impacts day, night and seasons. In our Forces unit, we learn about gravity, air/water resistance and friction.</p>	<p>We will explore key aspects of online safety, selection in physical computing (where we will be coding 'crumbles') and we will learn about computing systems and networks.</p>

Art / R.E. Project

Much of our R.E. learning this year focuses on Hindu beliefs and culture. As part of this, we have already explored Diwali and the children created outdoor Rangoli patterns. This term, we will learn about the Holi festival (where we will take part in a paint throwing celebration; more information will follow nearer the time). Where the children have really enjoyed learning about Hinduism, we would like to take part in a large-scale art project to rejuvenate the area outside of the Y5 classrooms by creating large Rangoli Pattern murals on the currently green outdoor cupboards. If anyone has any old/spare brushes, dust sheets, or outdoor-suitable paint leftovers, we would love to give them a second home! Our current vision is a light grey base paint for the doors, with neon colour Rangoli patterns designed and painted by the children.

PSHE → Careers Focus

One of our PSHE focuses this term is 'Money and Work', where we will cover:

- Identifying jobs they might like to do in the future
- The role ambition can play in achieving a future career
- How or why someone might choose a career, including interests, pay, etc.
- Diversity in workplaces, including equal opportunities and challenging stereotypes
- Routes into careers.

If any parents/carers would like to come in and do a 'career talk' about their field, please let us know! You would be more than welcome!

Trips & Visits

This term, we are hoping to organise a mobile planetarium visit to come to us in the first half of our Spring Term. Details are still being confirmed and we will let you know more about this as soon as possible.

We are also currently in communication with our local secondary schools about possible enrichment days.

Stationery

Please continue to ensure that stationery is regularly checked and that children have their items named, just in case anything gets lost.

We would suggest you have the following items in your pencil case:

- *HB pencils*
- *Rubber*
- *Blue biro for maths, green and purple biro for editing*
- *Blue or black handwriting pen*
- *Colouring pencils*
- *Glue Stick*
- *15cm or 30cm ruler*
- *Scissors*
- *2 whiteboard pens*
- *Enclosed Pencil sharpener*
- *Whiteboard rubber*
- *Highlighters*

Please also ensure that your child has headphones to support computing and other online sessions.

Additional Information
P.E. for the Spring Terms will be on Tuesdays and Wednesdays → please ensure children come in appropriate kit each day.
Home learning will be uploaded to Seesaw on Fridays and is due the following Thursday (before school) .
Spelling Shed will be updated weekly, in accordance to our class spellings. If your child uses Word Shark in school, please focus on this, but, if they wish to challenge themselves to practice our Y5 words too, they of course can. Children will still practise Y5 spelling lists each Monday to ensure exposure and challenge.
Children are expected to read at home <u>at least 3 x per week</u> (but, the more the better!). Please ensure this is recorded in their reading diary. We will check reading diaries <u>every Thursday</u> .
Please ensure children are regularly checking and restocking stationery – it runs out quickly! :)