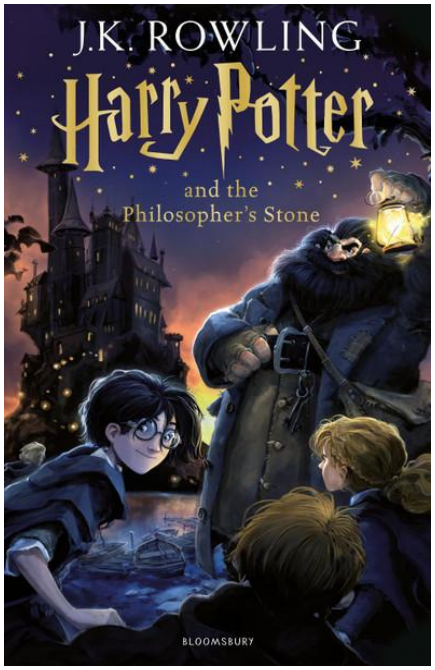
Year 5 Term 2
Abracadabra!

Hogwarts Express will be waiting at Platform 9 3/4 to whisk Year 5 off to Hogwarts this term, taking us up to the Christmas holidays

Reading – Fiction
Harry Potter and the Philosopher's Stone
J K Rowling

Harry Potter and the Philosopher's Stone follows an orphan, Harry, who learns he's a wizard and attends Hogwarts. With friends Ron and Hermione, he uncovers a plot to steal the magical Philosopher's Stone and prevents the dark wizard Voldemort from returning to power.



Geography – Viva Las Vegas

In geography, we will be looking at how we would travel to Las Vegas, different time zones, physical and human features there, how the climate is different to ours, what it would be like t live there and also the challenges that Las Vegas faces.

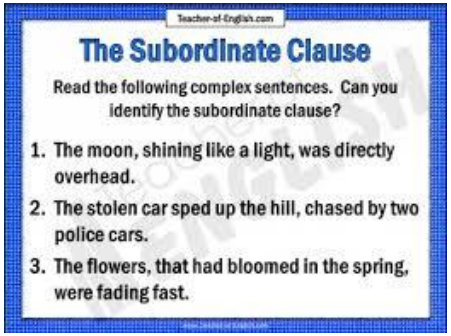
English

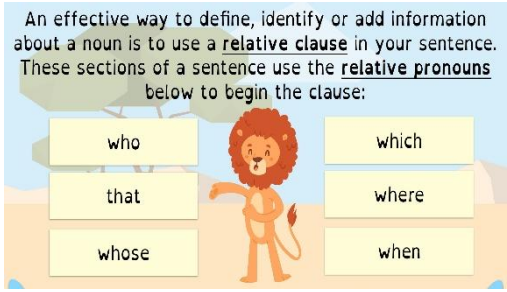
This term we will be concentrating on how to use the following in our writing:

Subordinate clauses at the start and end of sentences/
Dashes for after thought and relative pronouns.

The children will be writing a n informal letter as in the style of a character from Harry Potter explaining how they are feeling using these English skills.

We should all now be familiar with using our 'Non- negotiables' of capital letters and full stops at the start and end of sentences and proofreading our writing to ensure our sentences are cohesive and always make sense.

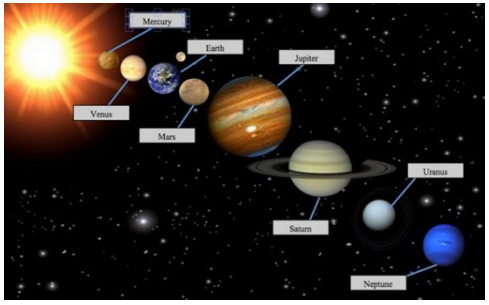




Science – Earth and space.

Key Vocabulary

Axis- An imaginary line that a body rotates around. E.g. Earth's axis runs from the North Pole to the South Pole.
Rotation – To spin. E.g. Earth rotates on its own axis.
Orbit- to move in a regular, repeating curved path around another object.
Solar system- made up of the sun and all the other objects that orbit it.
Asteroid- planetoids or small rocky minerals that orbit the sun.
Astronomer – someone who is an expert in the study of astronomy (space science).
Galaxy - a collection of dust, gas, billions of stars and their solar systems, held together by gravity. There are too many galaxies to even count!
Universe- made up of billions of galaxies of different shapes, sizes and colours.
Waning-the moon appears to be decreasing in size, it illuminates on the left.
Waxing- the moon appears to be increasing in size. It will be illuminated on the right.



PSHE

Celebrating Difference.

This term, we will be learning that cultural differences, racism, name calling and rumor-spreading can cause conflict and can also be bullying. We will be learning to identify these and explain the differences between types of direct and indirect bullying. We will also be able to compare our lives with those in the developing world and understand a different culture other than our own.

RE

Is being a king all about having riches, palaces, servants and power? We will look at the kind of king that Jesus was and compare his kingdom, his character and the qualities he had to other kings. How did Jesus show he was different? What does it mean to us, to have a king that was different from other kings? We will also look at his parables that gave an insight into the kingdom of God and how we can make Earth more like heaven. What do we need to change?

PE

Get ready for fast-paced fun as we develop our passing, shooting, and defending skills on the court and pitch in Netball and Hockey! You'll learn how to work as a team, move into space, and use quick reactions to outsmart your opponents. Whether you're scoring goals, making brilliant interceptions, or mastering your stick control, there'll be plenty of excitement, teamwork, and challenge every lesson!

Music

The Blues

This term, children will explore The Blues, learning its key features and style. They will listen, discuss, and evaluate music, improvise and compose using the 12-bar blues, and sing and perform with accuracy and expression.

Computing

Creating media – video production.

This term, children will work in pairs or groups to plan, create, and edit short videos, developing topic-based language and video production skills from idea to final product.

DT

Pupils will be learning how to make adaptations to a Bolognese sauce. They will evaluate nutritional content and look at ingredients they could add to increase its value. Pupils will be preparing ingredients, practicing food prep skills and even design a label for their creations.

Year 5 Term 2

Multiplying and dividing by 10, 100 and 1000

M	HTh	TTh	Th	100s	10s	1s	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					1	3	6		
				1	3	6			
		1	3	6	0	0			
					2	4	7		
						2	4	7	
						0	2	4	7

Each digit is ten times greater

Each digit is ten times smaller

millions, digit, round, multiple, positive, negative

136 x 10
move digits 1 column left

136 x 1000
move digits 3 columns left

24.7 ÷ 10
move digits 1 column right

24.7 ÷ 100
move digits 2 columns right

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

A prime number has exactly 2 factors:
2, 3, 5, 7, 11, 13, 17, 19...

A composite number has more than 2 factors: 4, 6, 8, 9, 10, 12...

If I know... then I also know... because...

Factors of 15 = {1, 3, 5, 15}
Factors of 21 = {1, 3, 7, 21}
1 and 3 are common factors of 15 and 21

Multiples of 3 are 3, 6, 9, 12
Multiples of 4 are 4, 8, 12, 16
12 is a common multiple of 3 and 4

$1^2 = 1 \times 1 = 1$
$2^2 = 2 \times 2 = 4$
$3^2 = 3 \times 3 = 9$

A square number is the result of multiplying a number by itself.

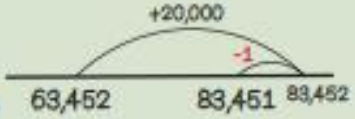
$1^3 = 1 \times 1 \times 1 = 1$
$2^3 = 2 \times 2 \times 2 = 8$
$3^3 = 3 \times 3 \times 3 = 27$

A cube number is the result of multiplying a whole number by itself, then by itself again.

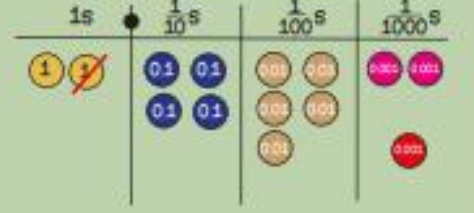
prime, common factor, multiple, multiplier, divisor

63,452 + 19,999
Round then adjust

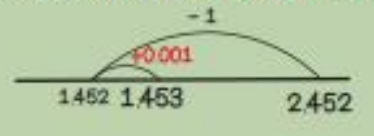
Add 20,000 then subtract 1



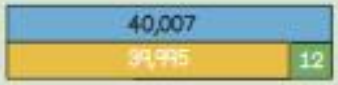
2.452 – 0.999
Round then adjust



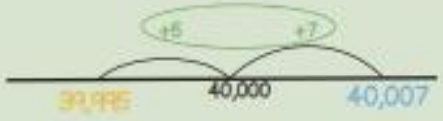
Take away 1 then add 1 thousandth



40,007 – 39,995
Find the difference between two numbers



Count on 5 from 39,995 to 40,000, then 7 more so the difference between them is 12



sum, total, subtract, difference

Written methods

$$\begin{array}{r} 25{,}648 \\ +\ 42{,}524 \\ \hline 68{,}172 \\ {\scriptstyle 1\ \ 1} \end{array}$$

$$\begin{array}{r} 45{,}748 \\ -\ 26{,}374 \\ \hline 19{,}374 \end{array}$$

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