

English**Writing**

Over the autumn term, we will be looking at a variety of genres in writing. Some of these will link with our class book, our history or science topics and some will be stand alone writing units.

- A descriptive writing unit based on The Lost Words
- A non-chronological report on the Ancient Greeks
- A narrative piece of writing prompted by the book Cosmic
- Poetry inspired by space



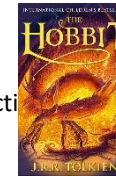
We will also spend time recapping on prior learning on grammar and punctuation, with a focus on sentence structure, including clauses, speech paragraphing, passive voice and the subjunctive form.

Reading

Throughout the term we will have a focus on the novel, 'The Hobbit' in term 1, and then 'Cosmic' in term 2. Alongside these titles, we will be also looking at a range of genres including: narratives, non-fiction texts linked to our big question and our history topics, poems, song lyrics and picture books.

We will focus on the following skills:

- Draw on contextual evidence to make sense of what is read
- Comment on and compare the language choices the author has made to convey information over a range of non-fiction
- Identify and discuss the viewpoint in the text
- Declare and justify personal preferences for writers and types of text
- Justify inferences with evidence
- Make predictions based on details stated and implied.



MathsNumber and Place Value

- read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
- round any whole number to a required degree of accuracy
- use negative numbers in context, and calculate intervals across zero.

Addition, Subtraction, Multiplication and Division (The four operations)

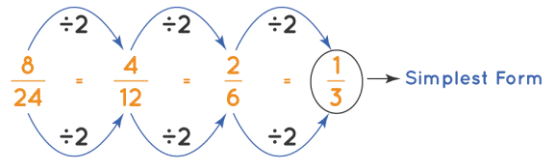
- multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context
- divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- perform mental calculations, including with mixed operations and large numbers
- identify common factors, common multiples and prime numbers
- use their knowledge of the order of operations to carry out calculations involving the four operations
- solve single and multi-step problems involving addition, subtraction, multiplication and division, deciding which operations and methods to use and why
- use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.

Fractions

- use common factors to simplify fractions; use common multiples to express fractions in the same denomination
- compare and order fractions, including fractions > 1
- add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]

- divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]

Simplest Form of Fraction $\frac{8}{24}$



Multiplying Fractions

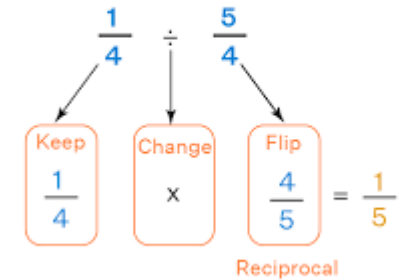
STEP 1 STEP 2 STEP 3

$$\frac{3}{4} \times \frac{2}{5} = \frac{3 \times 2}{4 \times 5} = \frac{6}{20}$$

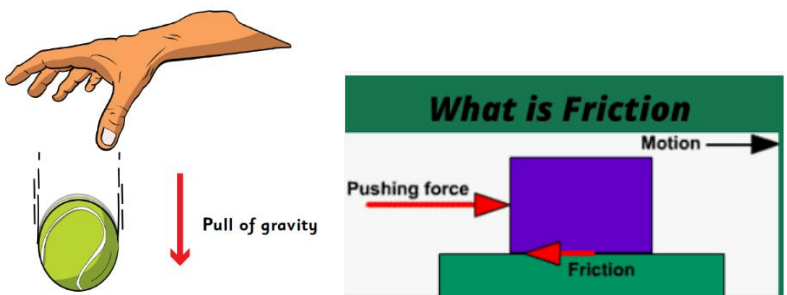
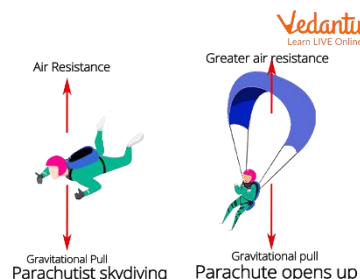
Simplify?

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Division of Fractions



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Key Knowledge	Useful links	Vocabulary
<p>Science – Forces</p> <p>Gravity is the pulling force acting between the Earth and a falling object which pulls to the ground.</p> <p>Friction is a 'sticking' force – the resistance that a surface or object encounters when moving over another surface or object.</p> <p>Air resistance is the force on an object moving through air. Air resistance affects how fast or slowly objects move through the air.</p> <p>Water resistance is the force on objects floating on or moving in water.</p> <p>Gears and Pulleys can be used to reduce the level of effort required to move an object.</p>	<p>BBC Bitesize link to explain friction</p> <p>BBC Bitesize link to explain air and water resistance</p>  	<p>air resistance, water resistance, friction, gravity Newton gears pulleys</p>

Science – Earth and Space

The Sun is at the centre of the galaxy (the Milky Way) and the Earth and other planets orbit around the Sun.

The planets, moons and the Sun are spherical in shape.

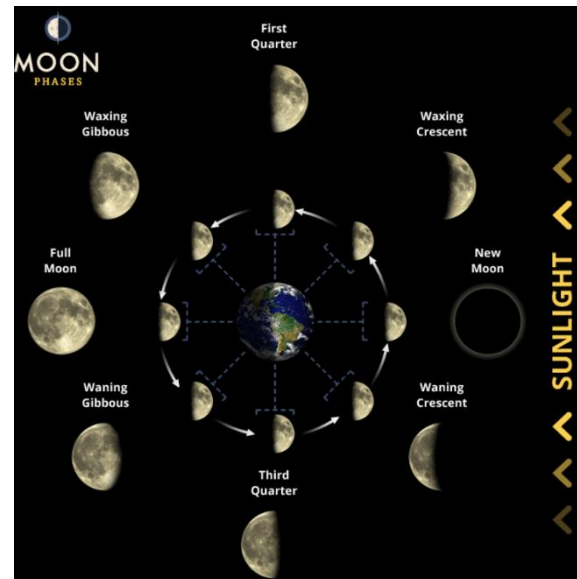
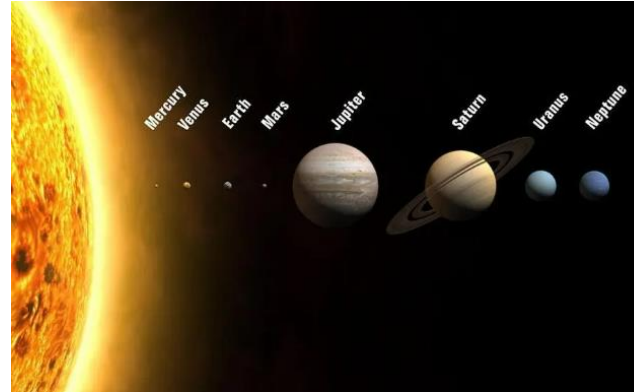
The planets follow an elliptical orbit.

The Moon orbits the Earth completing it's cycle every 28 days.

The moon phases are: New Moon, Waxing Crescent, First Quarter, Waxing Gibbous, Full moon, Waning Gibbous, Third Quarter, Waning Crescent.

The Earth's rotation on its axis causes day and night.

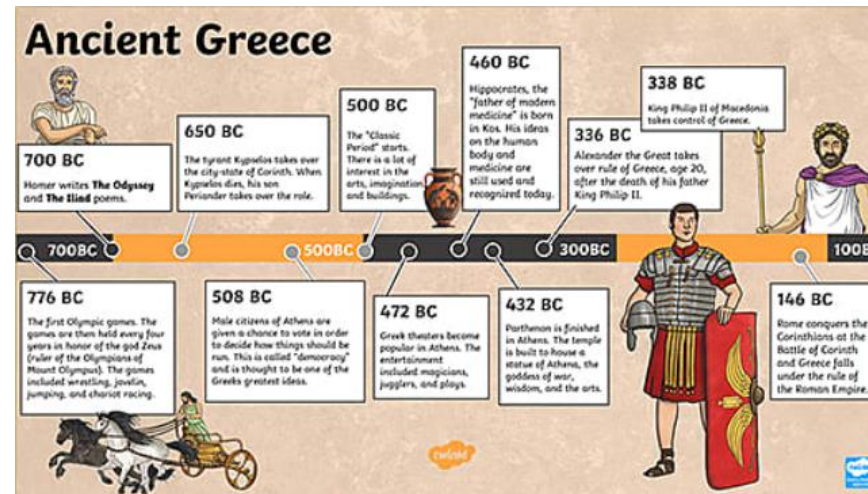
[Bitesize links to explain concepts around space](#)



Earth,
Sun,
moon,
axis,
rotation,
day,
night,
phases of the moon,
star,
constellation
crescent
gibbous
orbit

History – Ancient Greece

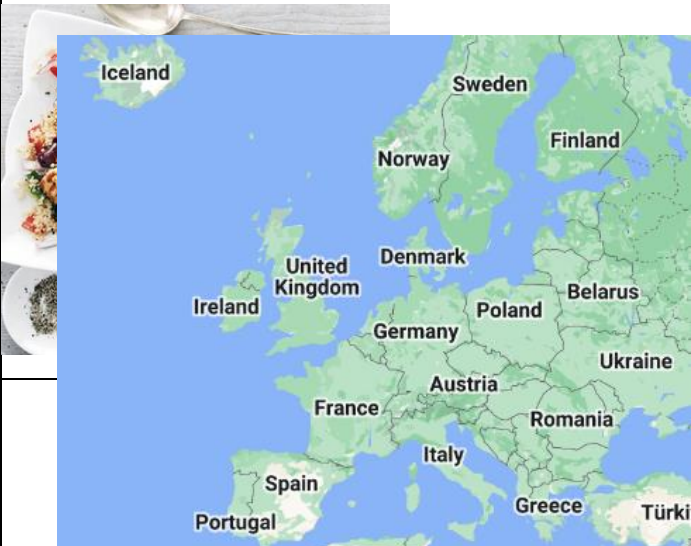
- The term Ancient Greece refers to the years 700-480 B.C.
- Athens was an open society, and Sparta was a closed one.
- Athens was democratic, and Sparta was ruled by a select few.
- In 431 BCE a war broke out between Athens and Sparta.
- Boys were allowed an education, whereas girls were seen as lesser citizens in Athens.
- The Greeks believed in gods and goddesses who, they thought, had control over every part of people's lives.
- The Ancient Greeks believed that they had to pray to the gods for help and protection, because if the gods were unhappy with someone, then they would punish them.
- The most powerful Greek God was Zeus.
- The ancient Games included running, long jump, shot put, javelin, boxing, pankration and equestrian events.



[Facts about Ancient Greece for kids](#)

democracy,
Acropolis,
city-state,
Parthenon,
marathon,
Olympics,
citizen,
philosopher,
alphabet,
tragedy,
Agora,
Hellenistic,
phalanx,
aristocrat,
mythology,
column,
hoplite,
Peninsula,
oracle,
terraced.

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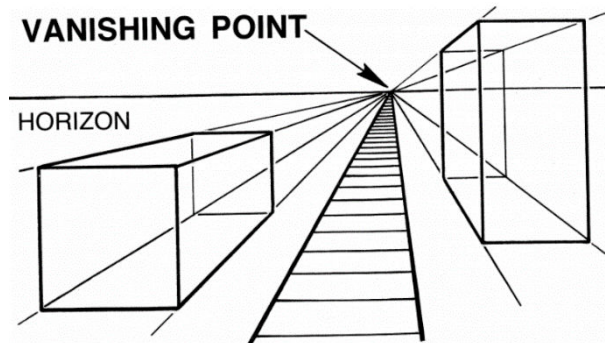
Design Technology – Food Technology Geography – Locational knowledge of Europe (inc Russia) <ul style="list-style-type: none"> This is a Mediterranean diet. Historically, the Greek diet was mainly consisting of olive oil, cereals, fresh or dried fruit and vegetables, fish, dairy and meat, as well as a variety of condiments and spices – foods readily available and preserved. 	https://www.bbcgoodfood.com/recipes/collection/mediterranean-recipes 	combine, atlas, healthy, index, harvested, latitude, savoury, longitude, sweet, key, bridge, method, slow method heading, Mediterranean fieldwork, measure, observe,
Greek food consists of a variety of sweet and savoury dishes. <ul style="list-style-type: none"> Prague is the capital of the Czech Republic. Budapest is the capital of Hungary. Amsterdam is the capital of Netherlands. Bern is the capital of Switzerland. Brussels is the capital of Belgium. Helsinki is the capital of Finland. Kyiv is the capital of Ukraine. Oslo is the capital of Norway. Stockholm is the capital of Sweden. Vienna is the capital of Austria. Warsaw is the capital of Poland. 		record, map, sketch, graph

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Art –

Sketching

- The harder the lead, the lighter the mark.
- The softer the lead, the darker the mark. 4B would be softer/darker than a 2B.
- Using a vanishing line can create perspective when using straight lines. It creates the illusion that parallel lines meet in the distance.



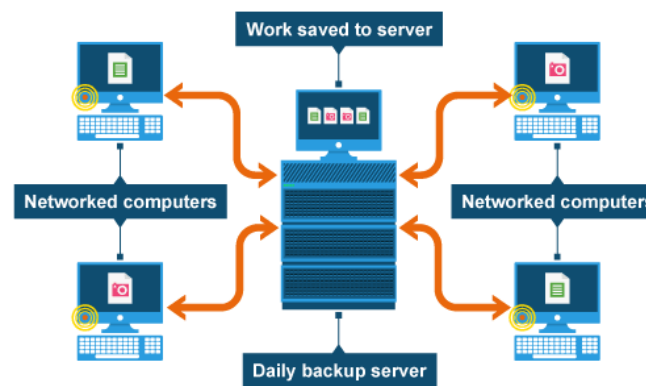
shading,
cross hatching,
softer,
lighter,
darker,
harder,
vanishing point,
parallel lines,
illusion,
distance,
perspective

ComputingSharing information

- Data is transmitted on the internet via data packets.
- To share data via the internet, a device must communicate with a router – this can be wired or wireless communication.
- There are different methods of sharing data, depending on the type of data being shared.
- It is possible to collaborate on an online document if it is stored online.
- It is important to be aware of copyright rules when sharing data and information.

Webpage Creation

- A website is a collection of information relating to a particular topic that can be accessed on a range of devices.
- A browser allows you to navigate or find your way around the World Wide Web.
- Including media on a website makes it more visually appealing.
- Copyright law protects the control you have over the things that you create. It also protects the work of others.

**Website design**

A website's design usually starts at the top with the home page.



Then we create branches that lead from that web page to another. These are called subpages.

network,
router
communication,
collaboration,
cloud storage,
wireless,
wired,
copyright,
data,
information

website
page
url
ip address
secure
header
code
hyperlink
fair use
copyright
HTML code

Religious Education – Christianity

Creation – Creation and Science

- There is much debate and some controversy around the relationship between the accounts of creation in Genesis and contemporary scientific accounts.
- There are many scientists throughout history and now who are Christians.
- The discoveries of science make Christians wonder even more about the power and majesty of the Creator.

Creation reveals something about the nature of God — for example, power, creativity, concern for life — and reminds humans of their place as dependent upon the Creator.

COSMOLOGY

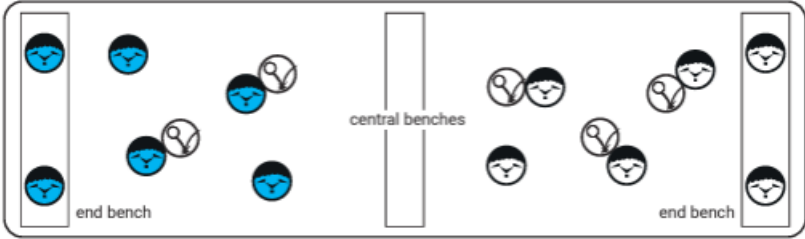

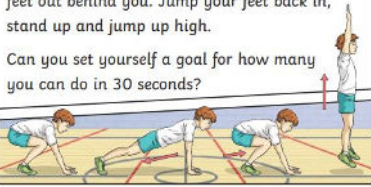
According to the Standard Model, the Universe began almost 14 billion years ago. The theory works back in time from our current observations and understanding of the universe. It all started with the Big Bang. This describes the origin of matter, energy, space and time – the early moments of the universe and its subsequent development.

1-2 First this: God created the Heavens and Earth – all you see, all you don't see. Earth was a soup of nothingness, a bottomless emptiness, an inky blackness. God's Spirit brooded like a bird above the watery abyss.

3-5 God spoke: "Light!"
And light appeared.
God saw that light was good
and separated light from dark.
God named the light Day,
he named the dark Night.
It was evening, it was morning – Day One.

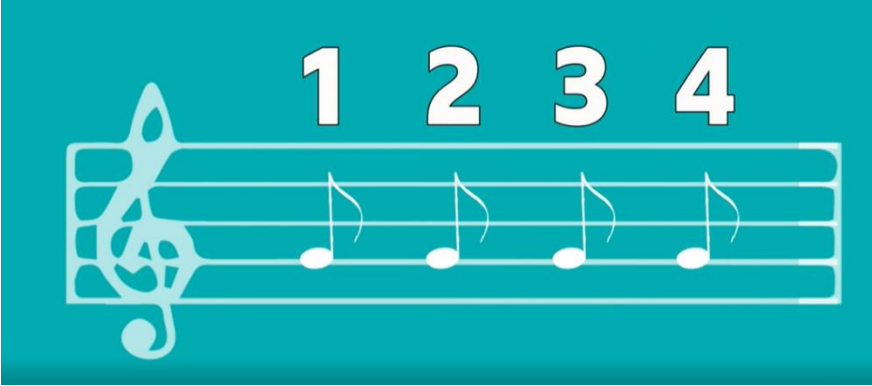
6-8 God spoke: "Sky! In the middle of the waters;
separate water from water!"
God made sky.
He separated the water under sky
from the water above sky.
And there it was:
he named sky the Heavens;
It was evening, it was morning – Day Two.

creation,
scientists,
debate,
Genesis,
controversy,
creator,
Big Bang, development,
belief,
nature,
omnipresent, omnipotent

<p>Physical Education</p> <p>Bench Ball</p> <p>Bench ball is an attack and defence game.</p> <p>Passing the ball and getting into space are key to scoring.</p> <p>An overhead throw is the most powerful throw in this game.</p> <p>Catching the ball on the bench leads to points.</p> <p>Swimming</p> <p>Swimming is a vital skill to know to help not only stay fit and healthy, but also to keep us safe in the water.</p> <p>Circuits are a great way to improve cardiovascular fitness.</p> <p>Regular exercise can have a positive impact on your wellbeing and mental health</p>	 <p>Step Ups</p> <p>Stand in front of a bench, facing the bench. Step up onto the bench, one foot after the other. Step back down onto the floor, one foot after the other. Repeat.</p> <p>Set a goal for how many step ups you can do in 30 seconds.</p>  <p>Burpees</p> <p>Stand with your feet shoulder-width apart. Place your hands on the floor and jump your feet out behind you. Jump your feet back in, stand up and jump up high.</p> <p>Can you set yourself a goal for how many you can do in 30 seconds?</p> 	<p>attack defend catch throw overhead teamwork passing</p> <p>swimming stroke</p> <p>circuits fitness cardiovascular squats mountain climbers jumps circuit training exercise intensity maintain mental health muscles</p>
<p>Personal and Social, Health Education (PSHE)</p> <p>Alcohol</p>	<div> <div>Key Facts</div> <ul style="list-style-type: none"> There are associated risks with legal and illegal harmful substances, such as smoking, alcohol use and drug-taking Mental wellbeing is a normal part of daily life, in the same way as physical health It is common for people to experience mental ill health. For many people who do, the problems can be resolved if the right support is made available, especially if accessed early enough </div>	<p>alcohol ethanol fermentation unit legal age limit</p>

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<div data-bbox="210 360 371 395" data-label="Section-Header"> <h3>Key Facts</h3> </div> <ul style="list-style-type: none"> Families are important for children growing up because they can give love, security and stability There is a normal range of emotions (<i>e.g. happiness, sadness, anger, fear, surprise, nervousness</i>) and scale of emotions that all humans experience in relation to different experiences and situations It is important to judge whether what you are feeling and how you are behaving is appropriate and proportionate Mental wellbeing is a normal part of daily life, in the same way as physical health <div data-bbox="826 571 994 606" data-label="Section-Header"> <h3>Key Facts</h3> </div> <ul style="list-style-type: none"> It is important to respect others, even when they are very different from you (for example, physically, in character, personality or backgrounds), or make different choices or have different preferences or beliefs Stereotypes can be unfair, negative or destructive 	<p>alcohol poisoning</p> <p>worry</p> <p>anxious</p> <p>troubled</p> <p>positive action</p> <p>prepare for change</p> <p>mindfulness</p> <p>strategies</p> <p>managing emotions</p> <p>British values</p> <p>democracy</p> <p>rule of law</p> <p>individual liberty</p> <p>mutual respect</p> <p>tolerance of those with different faiths and beliefs</p>
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<p>Music</p> <p>Slam Poetry and Rap</p> <ul style="list-style-type: none"> • The term 'slam poetry' was coined in the 1980s in Chicago, where jazz clubs began hosting spoken word contests involving five poets who would 'face off' against one another. • Slam poetry is also called spoken word poetry – and the clue is in the names. The idea is that the human voice becomes an instrument and through that instrument an idea is articulated using volume, pitch, accents, sounds, pace and rhyme. • Some spoken word poets use their bodies as well to add sounds such as tapping their feet, or patting parts of their body to make a human drum. Others speak in different voices and 'play' different parts. • A rap is a form of music where an artist speaks or chants rhymed lyrics with a repetitive beat playing in the background. • A bar is a musical measurement of rhythm. 	<p>https://www.bbc.co.uk/bitesize/articles/zdctxbk (Link to how to write a rap</p>  <p>)</p>	<p>pitch, texture, beat, bars, slam, rap, written, traditional, modern, body percussion, rhyme, rhythm, spoken word poetry, dynamics, impact on audience, repetition.</p>
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Spanish