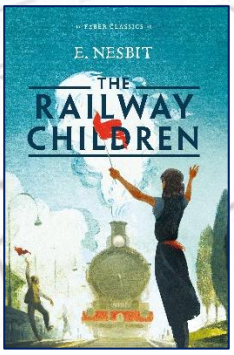
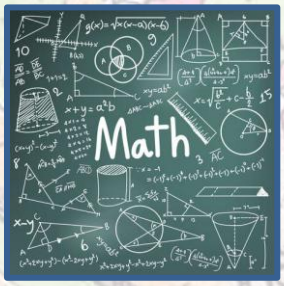


Year 5 Michaelmas 1

Curriculum Overview

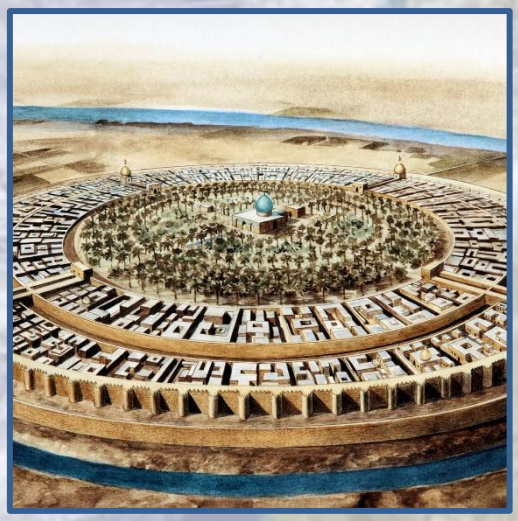
This half term in **English**, Year 5 will be studying the class novel 'The Railway Children', a quintessentially classic English story. This novel focuses on the importance of family, bravery and looking at what matters most in life. The children will study the novel in depth and understand its historical context. Throughout the term we will explore new language, themes and storytelling in the book and use these to create a variety of fictional pieces from debates, comparative film essays, fictional invitations and speeches.

We will also have our fortnightly **Creative Writing** sessions, which provide ample opportunities for discussions around complex themes through the safety of a story book, as well as giving students the freedom to develop their narrative voice and unique creative writing style.



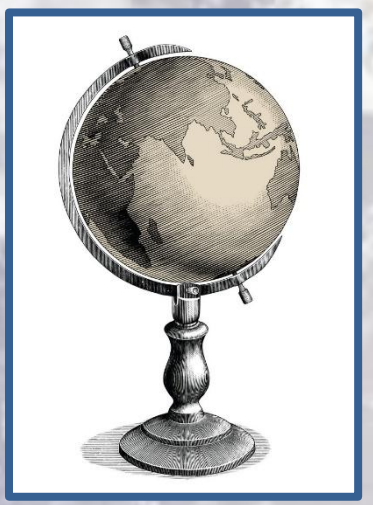
In **Maths**, we will cover a range of number concepts building on knowledge from year 4. We will deal with place value, comparing and rounding numbers up to 1 million and applying this knowledge to solve a range of number problems. Following a deeper knowledge of place value, we will begin to apply this to a range of addition and subtraction problems. Our fortnightly **Real Life Maths** lessons will continue which give us great opportunities to contextualise our weekly learning.

In **History** we will be studying the city of Baghdad in 900 CE. We will explore how it was shaped by the rise of Islam in the region, the wide cultural significance it held during its golden age and its eventual fall to a Mongol invasion. Students will also learn about how historians find out about Baghdad, using sources from the time including written accounts. They will have opportunities to handle these sources and make interpretations.



In **Science**, we will be studying the Human body, with a particular focus on the stages in Human development. We will describe and explore the changes (physical, social, emotional and psychological) in humans as they develop from infancy through to later life and the importance of a healthy lifestyle at all ages.

In **Geography** this term, we will be thinking about spatial sense. Along with all other year groups, we will be exploring and thinking about maps, map reading, coordinates and lines of latitude and longitude. Children will look at the northern and southern hemisphere before exploring how maps show height differences using contour lines. Teaching the knowledge and skills explicitly in this unit will prepare children for the forthcoming units on mountains, key topographical features of the Midlands and northern England.



In **Art**, the children will be exploring style this term, considering how artists can use different techniques to alter their style, initially comparing different styles of brushwork. This will help them when they eventually move on to experiment with some contrasting styles in their own work.

In **Latin** this term, we will continue with Minimus' adventures and start Chapter 7: The Military Machine. Children will use their prior learning in Latin and History to explore this topic.

We will once again have **PSHE** and **RE** day this half term. In **PSHE**, our topic Being Me in my world. This will explore themes such as.

- Rights and responsibilities
- Rewards and consequences
- How behaviour affects groups

In **RE**, we will look at Buddhism, particularly their views and conflict and suffering, before thinking about their pathway leads to fulfilment and happiness. Following this, children will be able to appreciate the value and relevance of Buddhism within contemporary society and within their own community contexts

As well as all of these wonderful learning opportunities, **PE** will outdoor, adventure activities, which will focus around group games and team building exercises.

<u>5 Bach: PE on Thursday afternoon</u>
<u>5 Vivaldi: PE on Thursday morning</u>

Our Reading approach will see partner reading with Year 1 pupils. We will have up to four comprehension and grammar lessons per week, whole class reading, and 1:1 reading weekly.

This year we have our very own Music and Performing Arts specialist teacher. Our **Music** topic is called 'A Lark Ascending'; children will explore how composers use melody, structure, and sound to paint a picture. We will be using the pentatonic scale (do, re, mi, sol, la) to create musical ideas, or improvisations then turning them into a finished composition.

We will continue to have our exciting Computing Days. This half of term we will look at programming. During this unit, Year 5 will developing computational thinking and they will program animations. They will understand that computer programs containing graphics and that use x y coordinates and turns are measured in degrees. By the end of the day, they will use the computational concepts of sequence, selection, repetition and variables to program a computer game.

All in all, we have an exciting, interesting and dynamic curriculum planned for Year 5 this half term. Homework will still be set weekly and via Doodle on a Thursday (due Tuesday) where possible. Continue to read with your child at home and work on arithmetic skills in Maths. Attached are some resources and websites you may find useful.

How you can help at home

- **Reading** – encourage children to spot words that follow particular patterns and think of words that follow similar phonics or spelling patterns.
- **Research** – Use the internet and books to develop your understanding of the spelling rules.
- **Strategies** – ***Sound (***segment and syllabify), ***Visual, Meaning***, ***Connecting.***
- **Create –** encourage children to make posters for home using colour to highlight word families/ letter strings or mnemonics and pictures for tricky words or homonyms (through/mouse).
- **Use** – encourage the children to use the words that they have practiced.
- **Support** - spelling for children. Instead, praise their effort and successes and guide them towards the mistakes.
- **Games and activities –** Websites such as:

Mathletics

nrich
nrich.maths.org

spellzone
The online English spelling resource

BBC Bitesize

doodle
maths | english | success

Statutory Spelling List

YEAR 5 & 6 WORD LIST

accommodate
accompany
according
achieve
aggressive
amateur
ancient
apparent
appreciate
attached
available
average
awkward
bargain
bruise
category
cemetery
committee
communicate
community
competition
conscience
conscious
controversy
convenience
correspond
criticise
curiosity
definite
desperate
determined
develop
dictionary
disastrous
embarrass
environment
equip
equipped
equipment
especially
exaggerate
excellent
existence
explanation
familiar
foreign
forty
frequently
government
guarantee
harass
hindrance
identity
immediate
immediately
individual
interfere
interrupt
language
leisure
lightning
marvellous
mischievous
muscle
necessary
neighbour
nuisance
occupy
occur
opportunity
parliament
persuade
physical
prejudice
privilege
profession
programme
pronunciation
queue
recognise
recommend
relevant
restaurant
rhyme
rhythm
sacrifice
secretary
shoulder
signature
sincere
sincerely
soldier
stomach
sufficient
suggest
symbol
system
temperature
thorough
twelfth
variety
vegetable
vehicle
yacht

Primary Teaching Tools

Spelling words for Autumn 1

WB 14/9

unhappy
unfair
return
renew
submerge
subheading
supernatural
anticlockwise
autograph
automatic

WB 21/9

gently
simply
finally
angrily
information
preparation
poisonous
mountainous
musician
electrician

WB 28/9

believe
caught
disappear
favourite
heard
island
medicine
opposite
peculiar
surprise

WB 5/10

cough
although
dough
nought
thought
tough
enough
through
thorough
borough

WB 12/10

accommodate
accompany
achieve
aggressive
amateur
ancient
apparent
appreciate
attached
awkward

WB 19/10

advice
advise
device
devise
licence
license
practice
practise
prophecy
prophesy

Science
PKC

Human body

PKC

KEY VOCABULARY

Gestation period	The **time in which a foetus develops**, beginning with fertilization and ending at birth. It lasts nine months in humans
Adolescence	The **period** following the onset of puberty during which a **young person develops from a child into an adult**
Puberty	The period during which adolescents **reach sexual maturity and become capable of reproduction**
Hormone	A chemical released in a gland that travels to other parts of the body where it **helps control how cells and organs do their work**
Growth stage	**Infancy, childhood, adolescence, and adulthood** are human growth stages before old age

Changes in Puberty

- Muscles and bones grow larger
- Females develop breasts and their hips widen
- Males shoulders widen and their voice deepens
- Both females and males grow hair under their arms and around their genitals
- Females start menstruating (periods begin)
- Males produce sperm in testes
- Hormonal changes produce mood swings

HUMAN GROWTH STAGES

Gestational Periods

Mouse	Dog	Polar Bear	Human	Elephant
20 Days	2 Months	8 Months	9 Months	21 Months

Geography
PKC

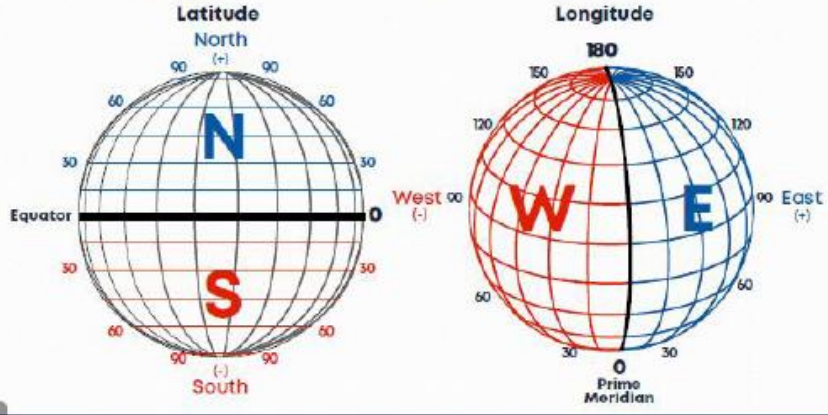
Spatial Sense

PKC

KEY VOCABULARY

Prime meridian line	An imaginary line that **divides the earth into two sections** to show the eastern and western hemispheres. It also used as the basis for world time zones
Lines of Longitude	Imaginary lines that **run from north to south around the globe**. Lines of longitude can be used to identify the location of a place as expressed in degrees east or west from the Prime Meridian line. Longitude lines are not parallel to each other
Lines of Latitude	Imaginary lines that **run parallel to the equator**. Like lines of longitude, they can be used to identify the location of a place.
Co-ordinates	Numbers that represent a **location on a map**
Eastern Hemisphere	A term used to describe **places that are east** of the meridian line
Western Hemisphere	A term used to describe **places that are west** of the meridian line
Relief maps	A map that uses shading and colours to **indicate the height of the land**

Geographic Coordinate System: Latitude & Longitude



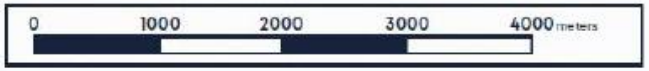
Relief Map of Wales

Map Scale

a) (1 centimeter represents 250 meters)

b) 1:25 000

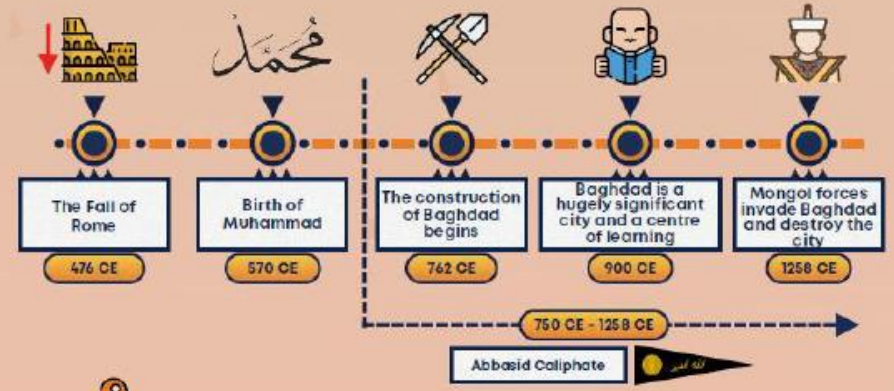
c)

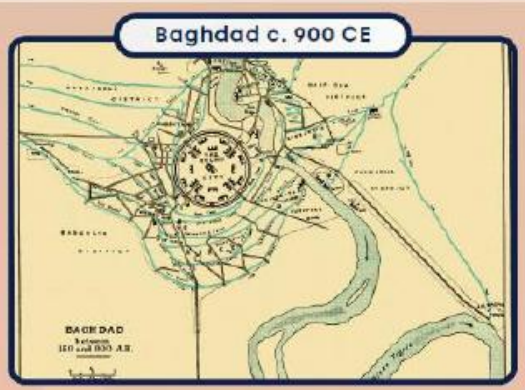


History
PKC

Baghdad
900 CE

PKC





KEY VOCABULARY

Scholarship	The act of **academic study at a high level**
Civilisation	A civilisation is a nation or group of people, that **share a common culture, common laws, a common economy**, and typically a **common faith or religion**
'City of Peace'	**Baghdad in 900 CE** was referred to as the 'City of Peace'
House of Wisdom	The House of Wisdom was a place in Baghdad where **texts were translated and where people came to learn and read.** It is remembered as one of the world's greatest libraries
Mongols	The Mongols (originally from Mongolia) were a **tribe of nomads** who rode on horseback across central and northern Asia

Caliph Al-Mansur

A religious leader who is remembered for founding the city of Baghdad.

Muhammad

A Prophet and military leader who established Islam

Al Tabari

An influential scholar, historian and translator/ interpreter

Hulagu Khan

A Mongolian military leader who invaded Baghdad in 1258 and destroyed the city