

What your child will be studying this term – Year 5

Ancient Egypt

English

In reading, we will build on our reading skills, using extracts from high quality texts. We will develop our comprehension skills, including the use of clues in the text to answer inference questions. We will continue to build on our vocabulary - identifying unknown words when writing and using a dictionary efficiently to find the meaning of these words, as well as identifying antonyms and synonyms. We will still continue to read for pleasure. In writing, we will write for a range of purposes and use a range of techniques to ensure that our writing is engaging. We will create multi-clause sentences, using both fronted adverbials (which tell us when, where or how) and a conjunction within a sentence as well as using relative clauses (these start with which, that or who.) We will ensure that our sentences are accurately punctuated, including the use of commas to mark clauses. We will continue to develop our narrative skills and begin to use dialogue to set it out accurately. We will correctly spell some of the Year 5 /6 spellings and we will ensure we use a neat, joined up handwriting style.

Maths

In maths, we will be focusing on number this term using the White Rose maths programme. We will be focusing on

- place value and knowledge of numbers up to 1 million
- written addition and subtraction (using numbers up to 4 digits involving exchanges)
- times tables and division facts
- factors and primes
- square and cube numbers
- written multiplication methods
- written division methods
- measure
- area
- perimeter

Science – White Rose

We will be learning about forces. We will learn about friction, air resistance and water resistance. We will also learn about gravity and use forces for greater effects (gears, levers and pulleys.) We will also be learning about spaces. We will learn about the solar system and research how ideas have changed over time by exploring the views of different scientists and mathematicians. We will explore global warming and the effect it is having on the planet.

Computing – algorithms, coding and programming

We will learn how to troubleshoot a program that is not working using the original algorithm. We will know that variables can be used to control outcomes and know that there is a code 'behind' block-based programming tools. We will learn to plan and program a simple interactive activity independently and edit and modify other people's codes and programs.

History – Ancient Egypt

We will place Ancient Egypt on a timeline. We will use a range of artefacts to learn about Ancient Egypt. We will learn about everyday life for men, women and children. We will learn about the importance of the afterlife and embalmment. We will analyse the importance of the River Nile and how irrigation was used for farming. We will use evidence from Tutankhamun's tomb to find out about him. We will also learn about hieroglyphs.

Geography – Rivers and the Water Cycle

We will explain how the water cycle works. We will locate key rivers in the world and use geographical vocabulary to describe the key features of a river system. We will identify the ways in which rivers are used. We will focus on the River Nile and look at its key features and how it has affected land patterns, and how this has changed over time.

Art – Access art

We will become familiar with the term 'typography' and will be introduced to designers who work with type. We will be introduced to artists who create maps and explore how maps can reveal things about the artist who made them. We will work over maps/newspaper and pre-printed paper to create strong bold drawings that stand out over the background.

D.T – Kapow

We will be adapting a traditional recipe to make it healthier and design appealing packaging to reflect a recipe. We will also be developing our understanding of electrical systems and make a functional series circuit which includes a motor.

R.E - We will be learning about inner forces and how Christmas is celebrated all over the world.

PSHE – relationships

We will look at building friendships and resolving conflicts. We will also look at self-respect.

Vocabulary for the Autumn term

Science: Forces

Force	Pushes and pulls in a certain direction. A force can change the speed or shape of an object
Friction	The contact force between two surfaces that are touching each other
Air resistance	A type of friction between air and another object
Drag	Another word used as an alternative to air resistance
Streamline	Having a shape that has little resistance to a flow of air or water
Water resistance	A type of force caused by friction slowing things down that are moving through a liquid. Water resistance occurs in all liquids, not just water.
Gravity	An invisible force that pulls things to the centre of the Earth (or other planets.)

Science: Space

The solar system	A collection of 8 planets and their moons, which orbit the sun
Planets	Large, natural objects that orbit stars such as the Sun
Orbit	The path an object takes around another object, for example, the Earth goes round the sun
Axis	An imaginary line that runs from the North Pole to the South Pole. The Earth's axis is slightly tilted
Satellite	An object that orbits a planet or a star
Moon	A natural satellite that orbits the Earth and reflects light from the Sun

History - Ancient Egypt

Archaeologist	Someone who studies ancient civilisations, by digging for the remains of buildings, tools etc. and examining them
Artefacts	Objects made by humans, especially ones from the past that are usually studied by archaeologists
Canopic jars	Jars used to hold mummified remains
Civilisation	An advanced form of organisation that has its own laws, culture and a regular way of getting food and protecting people
Embalment	The process of preserving a corpse (dead body) by using spices or chemicals
Sarcophagus	A stone container for a coffin or body
Shaduf	A device used for raising water for irrigation

Geography - Rivers and the Water Cycle

Delta	A wide muddy or sandy area where the river meets the sea
Erosion	The wearing away of land by forces such as water, wind and ice
Flood plains	The flat area around a flat bed which gets flooded when the level of water is high
Ford	A shallow place in a river
Meander	The loops and curves of a slow winding river
Mouth	The place where a river enters a lake, longer river, sea or ocean
Source	The start of a river
Tributary	A stream or river that flows into and joins a main river

Ways in which you can help your child

- Ensure that your child reads every night and discuss what has been read
- Become a reading detective - together, find clues in the text which tell us about characters' feelings.
- Identify words which your child doesn't know the meaning of - can they find out the meaning and use in their own sentences?
- Choose one of the unknown words and have a word of the day - how often can your child use it?
- Ask your child to practise joined up writing so they can write fluently and neatly.
- Ask your child to go on mathematics and times tables rock stars every day.
- Look at a 100 square - can your child find any patterns with different multiples? what factors/ prime numbers/square numbers can your child find?
- How quickly can your child recite their times tables?
- Visit the British Museum/ Hornimans Museum to find out about Ancient Egypt
- Locate and name the main rivers of the world
- Create your own healthy meal at home

Year 5/ 6 spellings

Year 5 and 6 Statutory Spellings

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