

# 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 space. 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 doodler.

**R.E** - We will be exploring 'what's so good about giving?'

### PSHE – relationships

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

## 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 or doodle 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
- Find out information about the planets - create a mnemonic to remember the order of the planets
- Find out ways in which we can reduce global warming
- Locate and name the main rivers of the world
- Create your own healthy meal at home