

Maths

- Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
- count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
- round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
- solve number problems and practical problems that involve all of the above
- read Roman numerals to 1,000 (M) and recognise years written in Roman numerals
- identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
- know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
- establish whether a number up to 100 is prime and recall prime numbers up to 19

Vocabulary

Factor, prime number, composite number

Computing

Stop frame animation

- To know that animation is a sequence of drawings or photographs.
- To know how to create a stop frame animation.

Computing systems and networks - systems and searching

- To know that systems are built using a number of parts
- To know that computer systems communicate with other devices.
- To know about search engines; how they rank results, how to use them, how they make money.

Vocabulary

Animation, stop frame, search engine, rank, results

English

Reading

- Provide reasoned justifications for views and opinions
- Retrieve, record and present information from non-fiction
- Draw inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence

Writing

- Describe settings, characters and atmosphere in the style of a familiar author.
- Know the key features of a non-fiction text and use these features when writing an information text.
- Know how to select appropriate vocabulary and grammatical structures that reflect the genre and style of the writing.
- Recognise and spell an increasing number of common exception words.
- Use verb tenses consistently and correctly
- Use the punctuation taught correctly in most written work

Grammar & Punctuation

- Concrete, abstract, collective nouns
- Prefixes and Suffixes
- Adverbial phrases
- Modal verbs – e.g. *might, will, shall, should, must*

Vocabulary

Punctuation, tense, infer, motives, justify, explain, retrieve, conjunctions, adverbials



**What did the
Romans do for us?**

**Year 5
Autumn Term 2026**

Science

Forces

- To know that there are different types of forces.
- To know that friction slows the movement of objects.
- To know that the force of a magnet is affected by different factors.
- To know that magnets do not need to touch to work.
- To know that magnets attract and repel each other and attract some materials and not others.

Vocabulary

Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles

Sound

- To know that sounds are made when something vibrates.
- To know that sounds travel through a medium (solid, liquid or gas) to our ear.
- To know that large vibrations create loud sounds and small vibrations create small sounds.
- To know how we can compare and measure sounds.

Vocabulary

Vibration, medium, solid, taut, volume, sound

P.E

First half term

Hockey
Tag Rugby

Vocabulary

Pass, shoot, score, teamwork, accuracy, power, technique, possession, mark, defend

Second half term

Dance
Volleyball

ART

Roman Art and Architecture

- Explore Roman artwork with a focus on mosaics
- Know how mosaics were made
- Know how to use Roman images and patterns to inspire our own designs.

Vocabulary

Tesserae, gods, goddesses, patterns, tessellation

DT

- To know about the types of food associated with Italy.
- To know how to follow a recipe to make an Italian inspired dish.
- To know how to prepare ingredients, using kitchen utensils, correctly and safely.
- To know what the Romans may have eaten and compare with food eaten in Rome today.

Vocabulary

Ingredients, menu, recipe, quantities, combine, separate



Music

Playing with Rhythm – Playing together and rhythmic structures.

- To know how to create a rhythmic accompaniment to a song.

Composing

- To know how to combine rhythm and melody to create an effect.

Vocabulary

Time signature, four four, pulse, rhythm, call, response.

PSHE & C

Mental Health and Wellbeing

- Know that we can develop strategies for managing worries & self regulation.

Exploring Ways to Manage Risk

- Know that our behaviour can be influenced by our peers.
- Know that different situations, where people take risks, can be harmful.

Vocabulary

Self regulation, calm, anxious, strategies, distractions, healthy friendships, peer pressure

Geography

Mountains, Volcanos and Earthquakes

- To know how mountains are formed.
- To know features of volcanos.
- To know the names of the highest peaks in the UK
- To know how earthquakes occur.

Vocabulary

Tectonic plates, mantle, core, inner core, outer core, converge, eruption, magma, lava.

History

The Roman Empire

- To know who the Romans were
- To know why and how the Romans invaded England.
- To know who Boudicca was and why she was against the Romans.
- To know what daily life was like in Roman Britain.
- To know what impact the Romans had on our country.

Vocabulary

Rome, Roman, Empire, invade, conquer, Celts, centurion, villa

R.E

Christianity

What does it mean if God is loving and holy?

- To know what people expect from a god.
- To know how God is represented in the Bible.
- To know how Christians worship God.

Humanism

Why do Humanists say 'Happiness is the goal of life'?

- To know that Humanists have a non-religious view of the world.
- To know what is important to Humanists.

Vocabulary

Omnipotent, omniscient, eternal, holy, loving, spirit. Reasoning, respect, empathy, compassion, secular

Useful websites

History The Romans - <https://www.bbc.co.uk/bitesize/topics/z4tdp9q>

Top Marks Maths - Place Value <https://www.topmarks.co.uk/place-value/place-value-charts>

BBC Bitesize – KS2 Grammar support <https://www.bbc.co.uk/bitesize/topics/zwwp8mn>

Arithmagicians <https://arithmagicians.com/> Children have a login in their reading record.

Times Table Rockstars <https://trockstars.com/> Login in reading records

White Rose One Minute Maths app to download – great for quick maths practise