

Year 5 Newsletter

Autumn 2

Our topic/theme this half term is:

Magic in the Making!

In this topic, we will be continuing to use the world of Harry Potter as our topic, as well as exploring local history through Cambridge during the Victorian era.

Our key text this half term continues to be Harry Potter and the Philosopher's Stone.



Our English learning this half term:

Reading:

In Reading this half term, we will be exploring a range of fiction, non-fiction and poetry texts. Some of these include: Dragonology, Street Child and A Christmas Carol, as well as information texts on Remembrance Day and J.K Rowling.

- Draw inferences, such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.
- Identify and discuss themes and conventions in writing.
- Preparing poems to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience

Writing:

In Year 5, we will be developing the following writing skills:

- Plan his/her writing by identifying the audience for, and purpose of the writing, using other similar writing as models for his/her own.
- Draft and write by using further organisational and presentational devices to structure text and to guide the reader e.g. headings, bullet points, underlining.
- Draft and write by using devices to build cohesion within a paragraph.
- Evaluate and edit by proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning.
- Proof-read for punctuation errors, including use of brackets, dashes or commas to indicate parenthesis. Use of commas to clarify meaning or avoid ambiguity.

We will be writing diaries, using our Harry Potter topic as a stimulus. We will focus on developing the following specific skills:

- Use an appropriate level of informality.
- Include feelings and emotions.
- Use figurative language, power of 3 and expanded noun phrases.
- Use a range of sentence structures and different openers.

We will be writing persuasive texts, focused on publicising Hogwarts and our own School!

- Use rhetorical questions and persuasive language.
- Use varied sentence structure, including short sentences.
- Use well-chosen facts and statistics within our writing.
- Use the power of 3 technique.

In grammar, we will be revisiting prior learning in areas such as tenses and word classes. We will then look more closely at using commas to clarify meaning or avoid ambiguity and using devices to build cohesion within and across paragraphs.

Our Maths learning this half term:

Multiplication and Division

- Find multiples and factors of a number and can identify factors common to 2 different numbers.
- Use vocabulary relating to prime numbers, prime factors and composite numbers.
- Work out if any given number up to 100 is a prime number and can recall prime numbers up to 19.
- Multiply numbers with up to 4 digits by a 1 or 2-digit number using formal written methods.
- Divide numbers with up to 4 digits by a 1-digit number, using formal written methods, and can show remainders.
- Multiply and divide whole and decimal numbers by 10, 100 and 1000.
- Identify and use square numbers and their notation.
- Identify and use cube numbers and their notation.
- Solve problems involving multiplication and division, including using factors and multiples, squares and cubes.
- Solve problems involving addition, subtraction, multiplication and division, and a combination of these, including understanding the meaning of the equals sign.
- Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

Measure – Area and Perimeter

- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.
- Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²), square metres (m²), and estimate the area of irregular shapes.

We will continue to practise and revise times tables and other arithmetic skills in our mental starters.

Our Science and Computing learning this half term:

Science:

Our unit of science this half term will continue to explore the properties of materials and changes in state. We will focus on developing our enquiry and investigative skills, including the following:

- Raise different types of questions and select the most appropriate type of enquiry to answer them
- Recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why
- Decide what observations to make, what to measure and how long for
- Notice causal relationships in data and identify evidence that refutes or supports their ideas
- Choose most appropriate equipment and use precisely. Take repeat measurements where appropriate
- Decide how to record data and results, recording results of increasing complexity, using keys, tables, and different charts.
- Use relevant scientific language and illustrations to discuss, communicate and justify ideas
- Use results to make predictions and identify when further observations, comparative and fair tests might be needed

Computing

Our unit of computing this half term is focused on using Google Drawings to produce vector drawings:

Children will learn about vector drawings and learn how to use different drawing tools to create layered images. They will explore ways of grouping and duplicating images to create more complex pieces of work.

- I can run a program.
- I can write my own programs
- I can explain how an algorithm works.
- I can write my own algorithms
- I can fix an error in an algorithm.

Our digital literacy focus this half term will be on thinking about digital citizenship and building strong online communities.

Our Humanities learning this half term:

History:

Our History focus is on local history, exploring the Victorians in Trumpington and Cambridge. We will be exploring some of the following themes:

- How did Cambridge celebrate the coronation of Queen Victoria?
- Using primary and secondary evidence to learn about Victorian Cambridge.
- The historical effect of the introduction of the railway.
- The history of mining in Cambridge.
- Changes in education since the Victorian era.

We will be developing the following historical skills:

- Establish clear narratives within and across the periods they study.
- Note connections, contrasts and trends over time.
- Devise historically valid questions about change, similarity and difference.
- Construct informed responses that involve thoughtful selection and organisation.
- Learn how our knowledge of the past is constructed using a range of sources.

RE:

In RE, we will be exploring the question: 'Are the Ten Commandments still relevant today?'

- I can name some of the Ten Commandments and how many of these are still important to some people today.
- I can consider how people of other faiths, and non-belief, follow similar commandments.

Our Creative Arts learning this half term:

Art and DT:

Our Art focus this half term is on Fashion Design. We will explore the following key concepts:

- Understand that designers bring their own culture, experiences and passions into their designs, for other people.
- Understand that as individuals, we can grow our experience of the world by experiencing (seeing, listening, taking the time to understand) the creativity expressed by other people.
- Understand that we can use colour, pattern, line, shape, form, material, texture to express our creativity.
- Understand that when we design fashion, we can understand what it might feel like to wear the clothes.
- Understand that when we design clothes, we can build an awareness of how 2D shapes might become 3D forms.

Music: Singing

- Singing seasonal songs whilst practising vocal and conductor techniques.
- Musicianship skills including clapping or tapping to the pulse/rhythm.
- Introduce percussion (or body percussion) to create simple repeated patterns.
- Record simple rhythm and create repeated loops.

Spanish:

In Spanish this half term, we will be deducing the vocabulary needed for describing facial features and learn a little bit about Spanish culture by looking at some Spanish art. We will be applying our knowledge of noun-adjective agreement to plural nouns. Following this, we will find out about some famous Spanish artists and using inspiration from their work to create some cubist portraits. We will then use our Spanish vocabulary to describe the faces in our artwork.

Our PE and PSHE learning this half term:

PE:

Our PE units this half term are Swimming and Outdoor and Adventurous Activities (OAA)

Swimming

Children will be working on developing their different strokes, as well as water safety and self-rescue.

OAA

Develop teamwork and communication skills and become more confident when using a map under time pressure and in competitive and cooperative activities.

PSHE:

Our unit this half term is 'Family and Friends' and 'Anti-Bullying'.

- Explain the characteristics of a healthy friendship on and off line.
- Recognise pressures on friendships and families, and develop strategies to resolve conflict when it arises.
- Understand when people should give/get consent, and how families can commit to supporting each other.
- Define and distinguish between types of bullying.
- Understand why bullying might happen and how to stop it.
- Understand how we might help friends who we think could be being bullied.
- Understand how we can contribute to creating a safer environment.

Key Vocabulary

Key Vocabulary for this half term:

Maths

Multiple, factor, product, remainder, inverse, square, squared, cube, cubed, area, perimeter, long multiplication, short multiplication, square centimetre, square metre, square millimetre, mm², cm²

English

Commas in a list, commas to avoid ambiguity, relative clauses, relative pronouns, cohesion, adverbials, parenthesis, brackets, dashes.

Science

Hardness, transparency, conductivity, solubility, solution, solute, dissolve, filter, evaporate, sieve, reversible, irreversible, variables, measurement, accuracy, repeat readings, prediction, comparative, fair test, patterns, conclusions, relationships.

History

Victorian, Queen Victorian, change, consequence, trends, significance, continuity.