

Year 5 Newsletter

Autumn 1

Our topic/theme this half term is:

Magic in the Making

In this topic, we will be exploring the magical world of Harry Potter.

Our Key Texts this half term is:
Harry Potter and the Philosopher's Stone

Our English learning this half term:

Reading:

In Guided Reading this half term, we will read extracts from a range of texts, such as: **Harry Potter, The Last Spell Breather, Race to the Frozen North and The Worst Witch**, as well as a variety of non-fiction texts. We will focus on the following objectives:

- Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader.
- Check that a book makes sense to him/her, discussing his/her understanding and exploring the meaning of words in context.
- Participate in discussions about books, building on his/her own and others' ideas and challenging views courteously and with clear reasoning.

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 narratives, describing settings, characters and atmosphere
- Draft and write by using devices to build cohesion within a paragraph e.g. then, after that, this, firstly,
- Evaluate and edit by ensuring mostly consistent and correct use of tense throughout a piece of writing.
- 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 descriptive letters, from the perspective of a student coming home from Hogwarts. We will focus on developing the following specific skills:

- Use prepositional phrases.
- Use an appropriate letter format and level of formality.
- Use power of three and similes.
- Use personification and pathetic fallacy to develop a mood.

We will be writing suspense stories based on the Philip Pullman novel, 'Clockwork':

- Describe a setting, using personification and hidden threat!
- Describe senses and character feelings to develop the tension
- Slow the action using short sentences, power of three and drop-in clauses.
- Develop tools to surprise the reader with the unexpected.

In grammar, we will be revisiting prior learning in areas such as co-ordinating and subordinating conjunctions and identifying different word classes. We will then Use relative clauses beginning with who, which, where, when, whose, that, or an omitted relative pronoun.

Our Maths learning this half term:

Place Value

- Read, write, order and compare numbers up to at least 1,000,000 (one million) and say the value of each digit.
- Use negative numbers in context when looking at temperature or money, counting forwards and backwards through 0.
- Keep multiplying a number by 10 or 100 up to 1,000,000 and count back.
- Round numbers up to 1,000,000 to the nearest 10, 100, 1000, 10,000 or 100,000.
- Solve number and practical problems that involve ordering and comparing numbers up to 1,000,000, counting forwards or backwards in steps, negative numbers, and rounding.
- Read Roman numerals up to 1000 and recognise years written in them.

Addition and Subtraction

- Add and subtract numbers with more than 4 digits using a range of strategies, including written methods like the column method.
- Use rounding to check answers to calculations and determine levels of accuracy.
- Solve addition and subtraction problems needing more than one step and can work out which operation and method is the most suitable.
- Add and subtract numbers mentally with increasingly large numbers.

We will continue to practise and revise times tables and other arithmetic skills in our mental starters, using a counting stick to increase the pupils' confidence counting both forward and backward.

Our Science and Computing learning this half term:

Science

Our unit of science this half term is focused on the properties of materials. We will be covering the following knowledge areas:

- Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- Demonstrate that dissolving, mixing and changes of state are reversible changes
- Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.

We will be developing the following enquiry skills:

- 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
- Decide how to record data and results.
- Evaluate methods and suggest how a method could have been improved.

Computing

Our unit of computing this half term is focused on systems, networks and communication. We will cover the following objectives:

- I can explain how a computer system connects together.
- I can explain how the Internet lets people communicate.
- I can explain what the Internet can be used for.
- I can explain what equipment is needed to connect a computer system together.
- I can explain the advantages and disadvantages of using the Internet to communicate.

Our digital literacy focus this half term will be on creating strong passwords and protect their information online.

Our Humanities learning this half term:

Geography

Our geography focus this half term will be exploring our local area.

- Explore different maps of Trumpington and compare their uses.
- Research the local area and examine data related to human geography (e.g. traffic, crime, population) and economic activity (i.e. businesses and trade)
- Conduct fieldwork in the local area.
- Write a geographical report based on research.

We will be developing the following geographical skills:

- Use OS map symbols and describe height and slope from a map.
- Read and compare map scales
- Create a sketch map with symbols and a suitable key.
- Use the eight points of a compass and 4- and 6-figure grid references.
- Plan and carry out a fieldwork investigation in an urban area.
- Present information gathered in fieldwork using a range of graphs.

RE

In RE, we will be reflecting on the significance of the meaning behind different beliefs, exploring the life and importance of Jesus Christ. We will look at the following themes:

- Inspirational people in religions and people who inspire us
- What do different people think of Jesus?
- Representations of Jesus

Spanish

In Spanish this half term, we will be exploring our family tree, learning about the Spanish vocabulary for different family members and describing the relationship between them. We will use verbs in the third person singular to write basic descriptions of family members and friends.

Our Creative Arts learning this half term:

Art

In Art, we will be exploring typography and maps. We will explore how we can create our own fonts and designs, and use visual letters and other elements to help convey ideas and emotions. We will explore the work of an artist and designer who have both used lettering combined with maps to produce maps that tell stories. We will then create our own visual map.

We will develop the following skills:

- Understand that typography is the visual art of creating and arranging letters and words to help communicate ideas or emotions.
- Draw our own letters using pen and pencil inspired by objects chosen.
- Reflect upon why our letters have meaning.
- Use sketchbooks for referencing, collecting and testing ideas, and reflecting.
- Use mark making, cutting and collage skills to create a visual map, using symbols, drawn elements and typography to express themes.
- Share and reflect upon work and give useful feedback to peers.

Music

Composition

- Understand and appraise music using the inter-related dimensions of music.
- Learn to take apart a piece of music while explaining (and composing) the texture's, individually with expression.
- Learn to use sampling technology to experiment with texture.

Our PE and PSHE learning this half term:

PE

Our PE units this half term are Swimming and Football.

Swimming

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

Football

Improve skills of moving with the ball, with control, passing and shooting with accuracy. Introduce and develop game play skills of attacking and defending, moving in and out of space.

PSHE

Our PSHE units this half term are 'Beginning and Belonging' and 'Digital Lifestyles'.

- Understand how to respect our learning environment in school.
- Explain how to create a safe environment at school.
- Recognise emotions that may be experienced in new situations and develop strategies to help manage these emotions.
- Identify a range of people in their Support Networks and know how to access help and support.
- Have ideas for making new people feel welcome and be able to offer support to others who need help.
- Understand how to safely use the internet and what services are offered on the internet.
- Understand how our data might be shared and who with.
- Begin to understand how the media can shape our ideas.

Key Vocabulary

Key Vocabulary for this half term:

Maths – rounding (nearest 10, 100, 1000), square number, prime number, ascending, descending, greater than, less than, equal to, thousands, ten thousands, factor pair, add/more/plus/sum/total, subtract/difference/less/take away.

English - noun, adjective, suffixes, prepositional phrase, synonym, antonym, noun phrase, power of 3, precise language choice, proper noun, relative clause, relative pronoun

Science - solvent, soluble, insoluble, solution, mixture, reversible, irreversible, filtration, distillation, dissolve, filter, evaporate

Geography - human and physical features, grid references, city, country, scale, height and slope, contour lines, ordnance survey