

Heathfield PRIMARY SCHOOL



Curriculum booklet

Year 5

Autumn 1.2

Writing

Keywords

Expanded noun phrase
Fronted adverbial
Diary
Technical vocabulary
Modal verbs

Point of view
Non-chronological report
Perspective
Emotive Language
Non-fiction

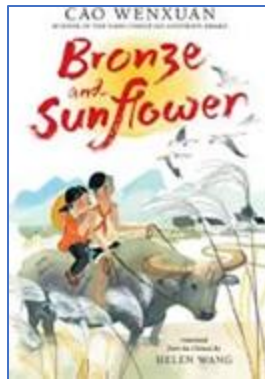
Emotion

In school we will be learning

During this half term, the children will be writing a diary entry from a different character's perspective. This will link to the book used in reading, *Bronze and Sunflower*. Within this writing, the children will be looking at the features of a diary and how to use these accurately within their writing. They will also be practising adding emotion to their work to show how the character is feeling whilst writing their diary.

The term will be finished off with a non-chronological report. In this write, children will work on writing a non-fiction text. They will be researching facts and information about the topic and scanning these to use the best facts. They will then ensure they write it in their own words and that they understand what is happening in the report. The children will also write a biography and learn about their purpose and how they can be written.

Children will also look at the use of modal verbs and how to use technical vocabulary to link to the topic.



At home you can

- Practise spelling
- Support with English homework
- Use pictures from online to write setting and character descriptions.
- Prompt children to write a diary about their holiday/weekend

Useful websites



[Picture prompts for story writing.](#)



[Year 5 and 6 spelling words](#)

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Reading

Keywords

Ancient China	Non-Fiction
Shang Dynasty	Dictionary
Family	Comprehension
Coming of age	Vocabulary
Fiction	Retrieval

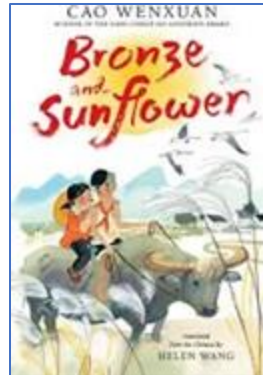
In school we will be learning

During this term, the children will continue to read Bronze and Sunflower. Alongside it, they will be reading a non-fiction book about Shang Dynasty and Ancient China.

Within our reading lessons, children will develop their understanding of unfamiliar vocabulary, respond to retrieval questions about the text and review their prior knowledge of vocabulary learnt in previous lessons. This will be done daily.

The children will focus on developing their inference skills. They will learn to infer from a variety of contexts and consider how to respond to inference questions.

In addition, the children will then be looking at finding the meaning of unfamiliar vocabulary which will then lead to summarising. In our guided reading groups, we will be focusing on the use of punctuation when reading as well as fluency, intonation and pace.



At home you can

- Listen to your child read at home 5 times per week and record in the reading record – please ensure this is signed by an adult.
- Explain to your adult what you have read – summarise/ predict and make simple inferences.
- Read home enrichment book with an adult at home.
- Look at the BBC comprehension page that explains terminology and ways to improve reading.
- Heathfield book reviews - read a book and write a review – Padlet.

Useful websites



<https://www.bbc.co.uk/bitesize/articles/zqmyw6f>



<https://youtu.be/CdyCQSqyr7k>

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Maths

Keywords

Place value	Comparing	Negative numbers
Number	Decimal Place	Positive numbers
Roman numerals	Tenths	Partitioning
Million	Place Value	Place value chart
Rounding	Hundredths	
Ordering	Thousandths	

In school we will be learning

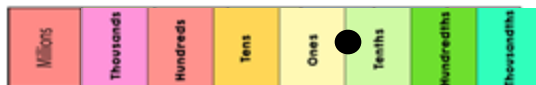
Within maths, we continue covering number and place value. The children will be learning to read and write numbers up to 1,000,000. They will do this in numbers, words and roman numerals. Following on closely with this, is partitioning, compare and ordering numbers up to 1,000,000. The children will be using the place value chart in order to recognise the number and then use this to compare 2 or 3 numbers and then order them in both ascending and descending order.

After looking into the larger numbers up to 1,000,000 children will then use prior knowledge of round and extend that to round numbers to the nearest 10, 100, 1000, 10,000 and 100,000.

Next, children will be investigating and interpreting negative numbers in context. This will be done using temperature scales and number lines to support the children with this visually. They will then practise counting forwards and backwards through zero with both positive and negative numbers.

Moving forward, children will begin to look into decimals and read, written order and compare decimal numbers up to 3 decimal places (1.345). Children will then look at rounding these numbers to the whole number and 1 decimal place.

Each lesson will begin with a retrieval starter, these will cover: counting forwards and backward in steps of 10, adding and subtracting 4-digit numbers that are multiples of 10, round and shape.



At home you can

I have included a useful link to a video that explains everything pupils need to know. This is the basis of many strategies pupils will use throughout Year 5.

Following on from learning about place value of numbers, I have included a useful website that includes a quiz about using the symbols $<$, $>$ and $=$ to compare numbers. This knowledge can help pupils in the future.

The 10 simple place value games websites gives lots of ideas and links for ways to improve Year 5's place value knowledge.

Useful websites



[Year 5 Place Value - everything you need to know!](#)



[Greater than and less than.](#)



<https://youtu.be/k8bc5oUIOr4>

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H

Science

Keywords

earth
moon
horizon
lunar

space
orbit
phases
eclipse

planets
rotation
solar

In school we will be learning

In the Earth and Space project, your child will learn the names of the planets in the Solar System. They will know that the Earth's rotation creates a range of phenomena, including day and night. They will learn the appearance of the Sun rising above the horizon in the east at sunrise, moving across the sky and then setting below the horizon in the west at sunset and use equipment to model these phenomena.

They will learn about the Moon's orbit and name and explain the eight phases of the Moon. They will research how solar and lunar eclipses occur and create labelled diagrams to show their findings.



At home you can

Create a fact file:

Research about a famous astronaut and create a fact file, this could be on Neil Armstrong or Tim Peake- if you need some inspiration!

Keep a moon diary:

Each night, have a look out of your window, can you see the moon? Draw a picture of it, what does it look like? Can you link this to the 8 phases of the moon?

Useful websites

[BBC
bitesize-
what is
Earth?](#)



[BBC
bitesize-
The Moon](#)



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Humanities History

Keywords

Ancient	Impact	Enquiry
Shang dynasty	Support	Dynasty
Legacy	Explore	Invasion
Civilisation	Rulers	Compare
Hierarchy	Royal Family	Chronology
Significance	Reign	

In school we will be learning

Dynamic Dynasties -

The children will explore what life was like during this period. How the hierarchy was impacted by the various rulers and what the impact of invasion and settlement meant for these people.

The children will explore artefacts and make comparisons between different civilisations from a similar time. This project teaches children about the history of ancient China, focusing primarily on the Shang Dynasty, and explores the legacy of the first five Chinese dynasties, some of which can still be seen in the world today.



They will also develop their understanding of timelines and chronology; Shang Dynasty; Sources and artefacts; Oracle bones and religious beliefs; Bronze Age in ancient China; Historical enquiry; Significance of jade and silk; Power and social hierarchy; Everyday life; Warfare; Significant individual – Di Xin; End of the Shang Dynasty; Bronze Ages around the world; Life after the Shang Dynasty; and what is meant by the term legacy.



At home you can

- Create an information poster all about the Shang Dynasty.
- Write a description about what ancient China was like, during the reign of one of the emperors.
- Create a timeline of key events from this Chinese civilisation.
- Design a crown or throne fit for a Chinese emperor.

Useful websites



All about ancient China for kids
<https://youtu.be/tpy5BMhMYyw>



<https://www.bbc.co.uk/bitesize/articles/zqtn6yc>

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Computing

Keywords

system	output
connection	search
digital	search engine
Input	refine
Process	index
storage	

In school we will be learning

Systems and searching

The children will develop their understanding of computer systems and how information is transferred between systems and devices. Children consider small-scale systems as well as large-scale systems. They explain the input, output and process aspects of a variety of different real-world systems. Learners discover how information is found on the World Wide Web, through learning how search engines work (including how they select and rank results) and what influences searching, and through comparing different search engines.

At the beginning, children are introduced to the concept of a system. They begin to understand that components can work together to perform a task. Finally, learners explore how digital systems can work and learn about physical and electronic connections.



At home you can

Home System Exploration:

- Choose a household system (e.g., heating system, refrigerator, washing machine).
- Discuss and identify the input, process and output for each system.
- Draw diagrams to represent how these systems work.

Coding Games:

- Use coding games and apps like Scratch or Code.org to create simple programs.
- Discuss how these programs are examples of digital systems where input (commands) leads to output (actions).

Useful websites

Search technologies -
BBC Bitesize



<https://www.bbc.co.uk/bitesize/topics/zs7s4wx/article/s/z7wckty#z9cybqt>



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DT

Keywords

press compressor deflate force gas inflate jack lever liquid
nozzle particle piston plunger pneumatic system pneumatics
pressure

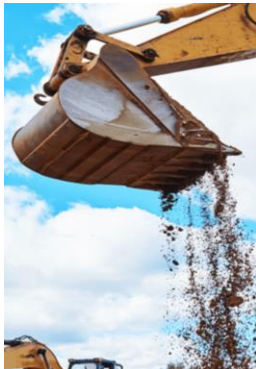
In school we will be learning

This project teaches children about pneumatic systems.

They experiment with pneumatics before designing, making and evaluating a pneumatic machine that performs a useful function.

They will have the chance to consider which types of machinery use pneumatics is visible in real life and learn about diagram drawing.

The children will do some research about this process and create work related to it.



At home you can

1. Give children the chance to explore pressure and how it works when making real life/ everyday objects move.
2. Create a labelled diagram of how a moving mechanism works.
3. Write a set of instructions for making a toy move, using pneumatics.
4. Write an explanation text – all about the usefulness of pneumatic devices and parts in machinery.

Useful websites



[Science KS2: Mechanisms - BBC Teach](#)



[What is a pneumatic device? - KS2 - BBC Bitesize](#)

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Music

Keywords

Semibreve, cross head crotchets, minims, rests, beat, bar, crotchets, dotted crotchets, treble clef, stave, middle C, notes, notation, Rhythm tune,

In school we will be learning

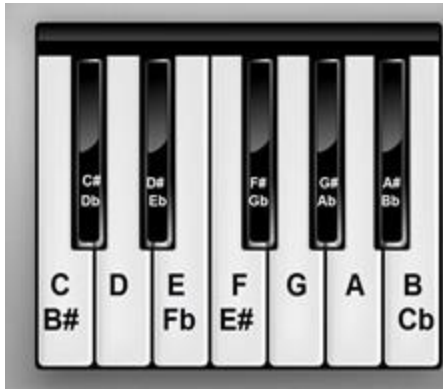
In year 5, pupils are very lucky to be offered the chance to play the keyboard. As a school, we provide a large number of the instruments.

Pupils will continue to take part in the beginning key board course. We want to start with pupils being able to understand the importance of hand position when playing the keyboard and for them to know how to position their hands correctly on the piano.

Pupils will hopefully use all their fingers on their right hand to play keys C-G. To do this, pupils need to know how to find A, B, C, D, E, F & G on a keyboard and to know that Middle C is the musical note C that is in the middle of the piano keyboard.

Of course, pupils will play the notes A, B, C, D, E, F, G, F# and E flat to a range of tunes and songs that will build up over the course of the year.

We will relate these notes to the notes on a stave and use this to link the notes to the start of reading music. A large part of playing the keyboard will be keeping a pulse when playing and the note duration.



At home you can

Use the virtual piano – online piano link below – to help learn how to play and practice playing the piano/ keyboard keys.

As year 5 will be introduced to the keyboards this half term, it is important the pupils have a solid understanding of where the notes are on the keyboard. For that reason, pupils have access to the link below and can see how to label the notes.

There is also a link to an online quiz to test this notation.

There is a useful link to a website that can teach pupils about playing different songs. Lots of the notation and theory is really useful to watch and listen to.

Useful websites



[How To Label Keys On A Piano/Keyboard](#)



[Virtual Piano - Online Piano Keyboard | OnlinePianist](#)



[4 Beginner Songs](#)

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RE

Keywords

Caring	Steadfast	Non-Religious
Environment	Wedding	Commitment
Sharing	Marriage	Faith
Generosity	Humanist	
Loyal	Relationship	
Relationship	Religious	

In school we will be learning

During this half term in Year 5, we will cover a range of topics in RE.

These include: caring for others, animals and the environment, sharing and being generous and then finally touching on being loyal and steadfast.

Throughout caring for others, animals and the environment, we will be learning about the difference between weddings and marriage and the effects marriage has on a couple's relationship while looking at humanist weddings. Following on from this, we will look into how marriage creates an environment for caring and how Muslim weddings and Christian weddings encourage couples to take care of each other.

Throughout the topic of sharing and being generous, we will look into giving and receiving, what is given that does not have monetary value and what Christians teach about sharing with others. The children will learn about generosity and how the followers of Islam share and show generosity, which will lead to looking at how both religious and non-religious people show generosity.

At the start of the being loyal and steadfast children will learn about how Christians show commitment to their faith.



At home you can

At home it would be brilliant if you can talk about your faith. These are often conversations that might not happen. If you could steer the conversations towards why you are your chosen religion and how you find this as an adult compared to a child in Year 5. What changes as you get older in your religion? If you are aware of your family history that would be fantastic to include.

We have included great links to websites that could be used to pre-tutor pupils for lessons in RE.

Useful websites



[Generosity video](#) .



[Humanists](#)



[Weddings and marriage](#)

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PSHE

Keywords

Money decisions influences pounds pence expenditure money wise
spend managing bank savings risks value balance coins
money confidence accounts budgets choices investments notes

In school we will be learning

During this term in PSHE, children will be learning about what decisions can people make with money?

We will be learning: How people make decisions about spending and saving money and what influences them. H

How to keep track of money so people know how much they have to spend or save.

How people make choices about pays of paying for things they want and need.

How to recognise what makes something 'value for money' and what this means to them.

That there are risks associated with money and how money can affect people's feelings and emotions.



At home you can

- Talk about money and how we use it our daily lives.
- Ask children to explore all the different ways in which money is available for us to use (cards, cash etc.)
- Find examples of where money is budgeted and explain to your child about how money can be set up into direct debits.
- Discuss with your child about how money can impact physical and emotional well being in people.

Useful websites

[Learn UK notes and coins and money use.](#)

https://youtu.be/zyV_6FEWWQY



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PE

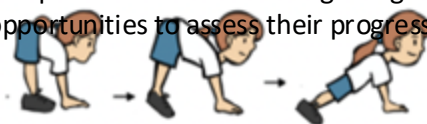
Keywords

Attack	Agility
Defence	Coordination
Stamina	Balance
Speed	Tracking
Pace	Opponent
Agility	Rugby

In school we will be learning

This half term in PE, Year 5 will be focussing on fitness and swimming.

Fitness: In this unit, pupils will take part in a range of activities that explore and develop their strength, stamina, speed, co-ordination, balance and agility. They will learn how each component of fitness will help them in other games. They will be given opportunities to apply these components of fitness in small games and practise each one through targeted exercises. Pupils will be given opportunities to assess their progress using the skills and knowledge acquired.



Swimming – 5R.

Class 5R will continue with their weekly lessons of swimming at Handsworth leisure centre, every Friday.

They will develop their individual skills with the support of trained swimming instructors – to help make rapid progress.



At home you can

- Set up an obstacle course using household items. Include activities like jumping over pillows, weaving through chairs, crawling under tables and hopping on one foot.
- Create simple relay races in the backyard or at a park. Include running, skipping and hopping sections to keep it interesting.
- Get your child to carry out the 5 minute workout daily.
- Take your children swimming to Handsworth Leisure Centre – free classes available. (contact Leisure centre for more details).

Useful websites



Fitness with
Joe Wicks –
5 minute
workout.

<https://youtu.be/d3LPrhI0v-w>



Swimming –
water safety.

<https://youtu.be/FNg2w2wQwmY>

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