

Heathfield PRIMARY SCHOOL



Curriculum booklet

Year 6

Spring 2

writing

Keywords

Story structure	For
Beginning	Against
Build-up	Evidence
Problem	Causal
Resolution	Causal conjunction
Ending	

In school we will be learning

In writing this half term, children will be writing a balanced argument and a narrative. With a balanced argument, we will be unpicking the structure and how writers use opposing views for and against a matter with supporting evidence. Writing a balanced argument will provide good practise using causal conjunctions and adverbials effectively. When writing a narrative, we will revisit the structure of a narrative and look at how the children can use direct speech to move the action along.

Children will continue working on grammar, punctuation and spellings with a particular focus on speech punctuation, complex and compound sentences and various cohesive devices.

Children will be drawing inspiration for their writing from our class texts. This will give them the opportunity to explore the themes more and delve deeper into characterisation.



At home you can

- Visit the websites below to gain further information about the genres we are covering this term.
- Encourage your child to keep a journal as this develops their writing skills.
- Complete homework given by class teachers.

Useful websites



balanced argument



grammar revision

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reading

Keywords

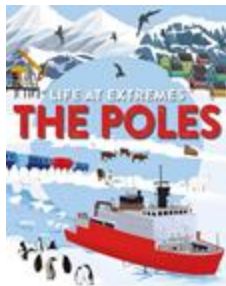
Retrieval opinion
Inference summary
Evidence impression
text-mark
fact

In school we will be learning

In reading this term, the children will continue reading 'The Wolf Wilder' by Katherine Rundell and 'Life At Extremes: The Poles' by Josy Bloggs.

The children will continue working on retrieval and vocabulary questions and ensuring that we have exposed the children to a variety of ways in which questions can be asked and answered.

In addition to this, children will take a deeper dive into the character's thoughts, emotions and actions by learning to make accurate inferences and providing evidence to support their opinions. The children will continue to develop their pace and accuracy of reading, increasing the complexity of the text and continuing to develop their knowledge and familiarity of different genres.



At home you can

- Listen to your child read daily
- Read their home enrichment book with them.
- BBC comprehension page that explains terminology and ways to improve reading.
- Heathfield book reviews - read a book and write a review on the Padlet site.

Useful websites



[HF Book Reviews](#)



[BBC Bitesize Comprehension KS2](#)

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Maths

Keywords

Fractions dividing
mixed number decimal place
decimals
percentages
multiplying

In school we will be learning

This term, children will learn about the relationship between fractions, decimals and percentages; learn to calculate area, perimeter, volume and use their knowledge of the four operations to solve multi-step problems.

Children will learn about multiplying and dividing with fractions. They will focus on dividing fractions where the numerator is a multiple of the integer they are dividing by, for example $\frac{3}{5}$ divided by 3, or $\frac{6}{7}$ divided by 2. Children will learn to recognise that they need to multiply the numerator by the integer. When multiplying mixed numbers, children will learn to either partition them into wholes and parts, multiplying each of them by the integer, or convert the mixed number to an improper fraction and then multiply the numerator by the integer.

Children will represent numbers with up to 3 decimal places using counters and place value charts, identify the values of the digits in a decimal number and partition decimal numbers in a range of ways. Children will know the relationship between the different place value columns, for example hundredths are 10 times the size of thousandths and one-tenth the size of tenths.

O	Tth	Hth	Thth



At home you can

- Listen to your child recall their multiplication fact up to 12 x 12
- Explore and play the maths games on Topmarks
- Complete homework set on Atom Prime

Useful websites



Topmarks – maths games



Fractions

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science

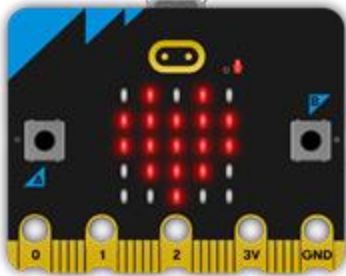
Keywords

Electrical Components	environmental variable
Circuit	Micro-bit sensor
Coding	data
Data logger	research
Variable	question

In school we will be learning

This half term we are finishing the unit Electrical Circuits. This term it will link to the computing and design and technology curriculum. They will be learning about the following...

Children will use their scientific understanding of circuits and the properties of materials from last half term to design and make programmable home device. First, they will learn how programs run in an exact order by following a sequence of instructions, and test and debug programs by using a Micro:bit. Then, they will learn about how we use sensors to monitor an environmental variable, such as temperature, sound or light. We will also discuss what devices in our homes and elsewhere have programmable sensors. They will learn how their Micro:bit can use and programme a sensor. Once they have the knowledge of what a Micro:bit can do they will develop a design criteria which much incorporate a circuit, include a sensor and be useful in the home. They will make their design, test and debug it. They will try to ensure it is good enough to work in real-life situations.



At home you can

- Practice using a Micro:bit by using a [simulator created by Microsoft](#).
- Learn about [programming with sensors](#).
- Identify sensors in your home and in your local area.

Useful websites



Micro:bit simulator



programming with sensors

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Humanities Geography

Keywords

Adaptation classification
global warming expedition
Fauna extinction
Longitude hemisphere
climate change vegetation
Topography ecosystem

In school we will be learning

FROZEN KINGDOMS

In the Frozen Kingdoms project, your child will learn about the regions of the Arctic and Antarctic. They will learn about the similarities and differences between these two regions, including the climate, landscape and natural resources.

They will learn how to use grid references, lines of latitude and longitude, contour lines and symbols to identify the geographical locations of the Arctic and Antarctic, and how these, along with the tilt of the Earth, affect day length and warmth.

They will investigate polar oceans to learn how they differ from other oceans on Earth and how climate change increases Earth's temperature and leads to rising sea levels.

They will learn about the indigenous people of the Arctic, including how their lives have changed over time, and about the positives and negatives of tourism in Antarctica.

They will also learn about classifying animals, animal adaptations and evolution, and polar exploration and discovery.



At home you can

- Use the internet and other sources to sketch and label a diagram of the Earth to represent the; equator, prime meridian, lines of latitude and longitude, tropics of Cancer and Capricorn and the polar regions.
- Research about polar explorers and their discoveries. Create a timeline to show significant polar explorations that took place between 1770 and 1920.
- Create an information poster about the two different polar regions (Arctic and Antarctica) to demonstrate similarities and differences.

Useful websites



Antarctica



Polar exploration

[Arctic Regions](#)
[What is climate change?](#)
[Famous Polar Explorers](#)
[Titanic Facts](#)

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computing

Keywords

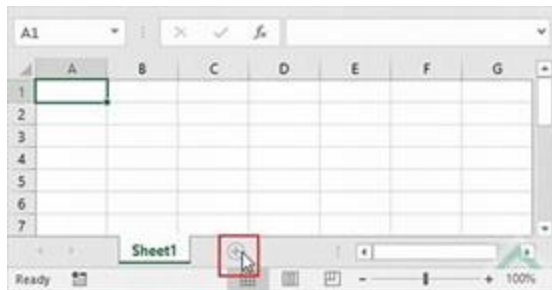
Data	cell reference	input	question
Collecting	data item	output	data sheet
Table	format	operation	organised
Structure	calculation	range	chart
Spreadsheet	spreadsheet	duplicate	evaluate
cell			

In school we will be learning

Introduction to spreadsheets

This half term, we introduce the children to spreadsheets. They will be supported in organising data into columns and rows to create their own data set. The children will be taught the importance of formatting data to support calculations, while also being introduced to formulas and will begin to understand how they can be used to produce calculated data. They will be taught how to apply formulas that include a range of cells and apply formulas to multiple cells by duplicating them. The children will use spreadsheets to plan an event and answer questions. Finally, they will create charts, and evaluate their results in comparison to questions asked.

At the beginning of the project, the children will collect and organise data in a format of their choice. They will then explore how data can be structured in a table. Finally, they will input data into a spreadsheet.



At home you can

Family Budgeting:

- Have the family plan a hypothetical budget for a month using a spreadsheet.
- Create columns for different expense categories (e.g., groceries, entertainment, utilities).
- Teach the child to input amounts, use basic formulas to calculate totals, and format cells appropriately.

Useful websites



kids' guide to Microsoft Excel



beginners guide to Microsoft Excel

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D & T

Keywords

Abutment	suspension bridge
Aqueduct	span
Arch	truss
Compression	support pier
Concertina	beam
distort	

In school we will be learning

This project teaches children about remarkable engineers and significant bridges, learning to identify features, such as beams, arches and trusses. They complete a bridge-building engineering challenge to create a bridge prototype.

In Year 6, the children will be applying the knowledge they have gained over the years to strengthen, stiffen and reinforce more complex structures. They will investigate famous bridges (and engineers) around the world and learn about the different methods used to secure and strengthen each.

Using only paper and paper straws, they will be using critical and creative thinking to complete a bridge-making challenge. They will be expected to follow the design criteria and to independently evaluate their final product/prototype.



At home you can

- Have a look at some of the structures in your home: arches, shelving, tables, roof etc. and discuss what makes them strong enough not to collapse.
- Practise the keywords, how to say them, spell them and define them.
- Watch the videos in the links below and complete the challenge. This will give your child a head start in the classroom-based challenge.

Useful websites



What makes a bridge strong?



build a strong paper bridge

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Music

Keywords

H. Parlan	Ben Webster
Earl Hines	Ian Gray
Count Basie	Woody Herman
Burt Bacharach	Organ
Duke Ellington	harp
Piano	horns

In school we will be learning

Pupils in the second half of spring two will be playing Jazz music. We will ask pupils to identify style indicators for Jazz, answering the question, what makes jazz, jazz?

We will identify the structure of a piece of Music using the two pieces of music, Bacharach Anorak and Meet The Blues.

Using these songs, pupils will play instrumental parts with the music by ear using the notes C, D, E, F, G, A, B + C. And C, Bb, G, F + C
After this, we will ask pupils to improvise in Bacharach Anorak using the notes C, D, E, F, G, A, B + C. And improvise in a Blues style using the notes C, Bb, G, F + C.

By the end of the unit we want year 6 to build a repertoire of ways to introduce a musical performance. Throughout the half term we will ask pupils to reflect on a performance and identify my strengths and weaknesses.

By the end of term, we want pupils to understand the genre Bacharach is and know who Burt Bacharach is and can name some of his compositions.
Also, we want pupils to know how to keep the internal pulse.



At home you can

- What do year 6 know about Jazz? Can pupils name songs, play or clap in time along or even copy the style in the music they make?
There is a video that discusses the history of Jazz.
- What do pupils think about the range of the range of Burt Bacharach songs? What do pupils think about them? Why do they like them? What part was the favourite?
- Can the pupils build on what was taught in lessons and play chords on a keyboard?
- There are a range of interactive keyboard app that can be used on tablets.

Useful websites



[THE HISTORY OF JAZZ](#)

[Burt Bacharach Greatest Hits](#)



[Learn 4 Chords](#)

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RE

Keywords

Trafficking	Buddhist
Suffering	merciful
Helping	forgiveness
Alleviate	punishment
Sponsorship	repentance
Kisagotami	empathy

In school we will be learning

This term the children will be looking at the dispositions 'responding to suffering' and 'being merciful and forgiving'.

Responding to Suffering.

This unit aims to help the children recognise when others are hurt or in pain. The children will examine how two young Christians raise awareness of the suffering caused by people trafficking. They will also explore how two young Muslims alleviate suffering from natural disasters worldwide by donating and carrying out sponsorship work. The children will also learn about suffering from the Buddhist perspective through the story of Kisagotami.

Being Merciful and Forgiving.

This unit aims to help the children learn how Christians teach mercy following the acts of Jesus. The children will compare how C S Lewis illustrated in his book 'The Lion, the Witch and the Wardrobe' and the voluntary sacrifice of Jesus to save others from punishment through the character Aslan. The children will also look at how Christians show forgiveness. They will read the story of Matthew and reflect on Jesus' teaching Peter about the frequency of forgiveness and the nature of forgiveness by showing empathy.

At home you can

- With the help of an adult, look through your clothes, toys, books, etc and see if you can donate any to the local charity shop.
- Donate food to the food bank.
- Do a sponsored walk/silence/dance and get family and friends to sponsor you. Then donate the money to a charity of choice.
- Read the book 'The lion, the witch and the wardrobe' by C S Lewis.

Useful websites



What is Buddhism?



Unicef – For Every Child

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Keywords

personal data	bias
social media	untrue
Influence	distributing
well-being	consent
fake news	

In school we will be learning

Living in the wider world

How can the media influence people?

We will be continuing to deepen our understanding of physical and mental well-being by investigating different forms of media and the affect they can have on us.

Added to this, we will be finding out about how discrimination/stereotypes, gender, racism, disability are represented in the media and on social media.

Keeping safe online is a crucial area of our learning so well be revisiting

- ways to stay safe
- How to recognise unsafe or suspicious content
- How information is ranked, selected and targeted or meet our interests
- How information can be used to influence

We will be focussing on what should and should not be shared, the rules around this and distributing of images and relevant consents for this.

We will learn how to respond to and if necessary, report information viewed online which is upsetting, frightening or untrue. The children will recognise the risks involved in gambling related activities, what might influence somebody to gamble and the impact it might have

At home you can

- Discuss with your children what they watch or engage with on the internet. What social media platforms are they interested in? Are they following the safety guidelines for these platforms/apps?
- Make a list of rules for being on the internet at home.
- Discuss what to do if your child is exposed to content that makes them uncomfortable or scared

Please watch the video before sharing with your child as the topics are sensitive.

Useful websites



How social media affects children



BBC Teach PSHE

PE

Keywords

Bowling Wicket
Batting Boundary
Fielding Stumps
Runs Off side
Wickets
On side

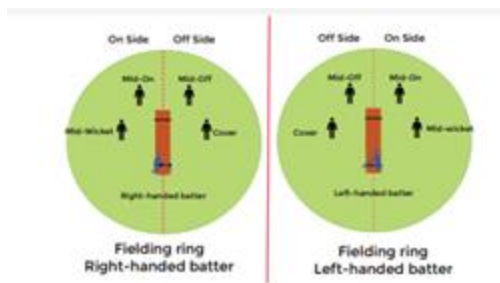
In school we will be learning

Cricket

Children will consolidate their bowling, throwing, catching, stopping, retrieving and batting skills and apply these with accuracy and consistency into mini games.

They will effectively apply their tactics, demonstrating a clear understanding of the role each team member will perform and will ensure the team feels motivated.

Children will constantly apply life skills such as integrity and self-discipline by playing by the rules and leading others by example.



At home you can

- Check out the links below to find out more about cricket and what goes on at Edgbaston Cricket Ground.
- What do you know and understand about cricket already? If you already play, then great- get practising your batting and bowling!

Useful websites



BBC- cricket



Warwickshire CC Club

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