

Heathfield PRIMARY SCHOOL



CURRICULUM BOOKLET

YEAR 5

AUTUMN 1.1

WRITING

KEYWORDS

Expanded noun phrase
Fronted adverbial
Perspective
Technical vocabulary
Modal verbs

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

emotion
formal

In school we will be learning

During this half term the children will be developing their skills across a range of text types, all linked to our class text on biomes to support the geography topic.

They will begin by learning how to write **non-chronological reports**, focusing on clear organisation, subheadings, technical vocabulary, and factual detail to explain different biomes.

Next, they will explore **formal letter writing**, practising features such as appropriate tone, layout, persuasive language, and varied sentence structures to communicate ideas effectively.

Later in the term, pupils will write another **narrative**, building on their storytelling skills by using descriptive language, dialogue, and cohesive paragraphs to engage the reader.

Across all pieces, children will be encouraged to use ambitious vocabulary, accurate punctuation, and a range of sentence types. They will also learn how to edit and improve their work, ensuring it is clear and polished. Links to the class text will provide inspiration and context, helping pupils to apply their writing skills to real-world topics. This unit will strengthen their ability to write for different purposes and audiences. By the end of the half term, children will have a deeper understanding of how language can inform, persuade, and entertain.



AT HOME YOU CAN

- **Fact File Creation:** Choose a biome (rainforest, desert, tundra) and create a fact file with headings, subheadings, and labelled diagrams.
- **Compare & Contrast Chart:** Make a table comparing two biomes, then turn it into a short report.
- **Story Starter Challenge:** Write the opening paragraph of a story set in a biome, focusing on description and atmosphere.
- **Creative Twist:** Rewrite a scene from the class text but change the setting to a different biome.
- **Persuasive Letter:** Write to a local council or imaginary organisation about protecting a biome or endangered species.
- **Thank-You Letter:** Compose a formal letter thanking a scientist or explorer for their work in studying biomes.

USEFUL WEBSITES



[Picture prompts for story writing.](#)



[Year 5 and 6 spelling words](#)



[How to write a formal letter - BBC Bitesize](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

READING

KEYWORDS

Biome
Explorer
Contents page
index
glossary

Non-Fiction
Dictionary
Comprehension
Vocabulary
Retrieval

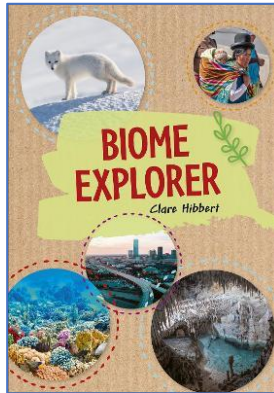
summarising
infer

IN SCHOOL WE WILL BE LEARNING

During this term, the children read a non-fiction text called Biome Explorer. Alongside it, they will be reading an enrichment book and a library book for pleasure - chosen by the child themselves.

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 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 their 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 enrichment book at home - with an adult.
- 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/CdyCQSqr7k>

HAPPY HARDWORKING COURAGEOUS KIND

H

MATHS

KEYWORDS

Place value
Number
Roman numerals
Million
Rounding

Ordering
Comparing
Decimal place
Tenths
Hundredths

Thousandths
Negative numbers
Positive numbers
Partitioning
Place value chart

IN SCHOOL WE WILL BE LEARNING

Within maths, we will start the year off by covering number and place value. The children will begin by 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 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 practice 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 round these numbers to 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

For those of us that are unfamiliar with the year 5 curriculum, 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](#)



[10 Simple Place Value Games](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

SCIENCE

KEYWORDS

contact force
force
gravitational force
gravity
magnetism

non-contact force
force meter
grams
kilograms
mass

measurement
newton
weight

IN SCHOOL WE WILL BE LEARNING

Forces and Mechanisms

In the Forces and Mechanisms project, your child will revisit prior learning about forces, identifying what a force is and discussing the two types, including contact and non-contact forces. They will learn that gravity is a force of attraction and follow instructions to observe gravity in action. They will learn the meanings of the terms 'mass' and 'weight' and their units of measurement, following instructions to record the mass and weight of various everyday objects using a piece of equipment called a force meter. They will revisit learning about friction, discussing situations where it can be helpful or where we need to minimise its effects. They will learn about the frictional forces called air and water resistance in detail and conduct investigations to observe these frictional forces in action. They will learn about mechanisms, including gears, pulleys and levers and follow instructions to investigate how these simple machines use forces to make tasks easier. They will generate scientific questions they wish to study further on the theme of forces and mechanisms and research to find the answers. They will complete their learning by examining the forces involved in riding a bicycle and the parts that are gears, pulleys and levers.



AT HOME YOU CAN

Gravity Drop Experiments

- Gather different objects (e.g., a ball, a feather, a paperclip, a book).
- Drop them from the same height and observe which falls fastest.
- Discuss how gravity acts on all objects but air resistance affects their speed.

Mass vs. Weight Activity

- Use a kitchen scale to measure the mass of various objects.
- Use a force meter (or a spring scale) to measure their weight.
- Discuss the difference between mass (amount of matter) and weight (force of gravity on an object).

USEFUL WEBSITES

[Friction - BBC Bitesize](#)



[Air and water resistance - BBC Bitesize](#)



HAPPY HARDWORKING COURAGEOUS KIND

H

HUMANITIES GEOGRAPHY

KEYWORDS

Biome
Climate
Ecosystem
Adaptation

Rainforest
Desert
Tundra
Grassland

Conservation
Endangered species

IN SCHOOL WE WILL BE LEARNING

This half term the children will be focusing on the geography topic called Biomes from around the World. Biomes are large regions of the Earth that share similar climate, plants, and animals, and they are an exciting part of our geography studies. In this topic, children will explore the diversity of biomes such as rainforests, deserts, tundra, grasslands, and oceans. They will learn how temperature, rainfall, and location influence the types of plants and animals that can survive in each biome. Students will also discover how humans interact with these environments, including the challenges of conservation and protecting endangered species. By comparing biomes, children will see how life adapts in unique ways to extreme conditions, from the icy Arctic to the hot Sahara Desert.

The topic will encourage curiosity about the natural world and highlight the importance of caring for our planet.

Pupils will investigate maps, climate graphs, and case studies to understand global patterns. They will also learn about food chains, ecosystems, and how living things depend on each other. This unit will build knowledge of geography while inspiring respect for nature. By the end, children will appreciate the incredible variety of life across Earth's biomes and the role we play in protecting them.



AT HOME YOU CAN

- **Biome Research Project:** Pick a biome (e.g., rainforest, desert, tundra) and create a fact sheet with climate, animals, and plants.
- **Mini Poster or Collage:** Use drawings, magazine cut-outs, or printed pictures to make a visual display of a chosen biome.
- **Climate Graphs:** Plot simple graphs showing rainfall and temperature for different biomes to compare climates.
- **Creative Writing:** Write a short diary entry or story from the perspective of an animal living in a biome.
- **Home Experiments:** Create a mini terrarium or desert jar to observe how plants adapt to different conditions.
- **Conservation Poster:** Design a poster encouraging people to protect endangered species in a chosen biome.
- **Compare & Contrast:** Write a short piece comparing two biomes, such as rainforest vs desert, focusing on differences in climate and wildlife.

USEFUL WEBSITES



Explore Biomes



Biomes of the world (Youtube)

[Biomes - BBC Bitesize](#)

<https://youtu.be/0fb8143ndo8>

HAPPY HARDWORKING COURAGEOUS KIND

H

COMPUTING

KEYWORDS

system,
connection,
digital,
input,
process,
storage,

output,
search,
search
engine,
refine,
index,

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/zt7s4wz/articles/zt7wckty#zt9cybqt>



HAPPY HARDWORKING COURAGEOUS KIND

H

ART

KEYWORDS

symmetry, geometric, arabesque, calligraphy, balance and pattern, coil technique, pinch technique, geometric, form, structure, balance, surface decoration, texture, motif, relief and engraving, repeated pattern, tile, mosaic, tessellation, rhythm and repetition, complex form, architecture, dome, minaret, slab, structure, combination

IN SCHOOL WE WILL BE LEARNING

This term, children will explore the rich artistic traditions of Early Islamic art and apply these ideas to clay work. They will begin by studying key features such as symmetry, arabesque patterns, and Islamic calligraphy, using these to inspire their own designs. Children will learn and practice a range of clay techniques, including coil, pinch, and slab, to create both simple and complex sculptures. They will experiment with repeated patterns and surface decoration, combining multiple techniques to produce unique pieces. The unit will culminate in designing, creating, and evaluating a final clay sculpture, encouraging creativity, cultural appreciation, and hands-on craftsmanship.



AT HOME YOU CAN

Pattern Hunt: Look for Islamic-inspired patterns in books, online, or in local architecture. Discuss symmetry and repeated designs.

Design Challenge: Draw a simple arabesque or geometric pattern together using pencil and ruler.

Calligraphy Fun

Letter Art: Try writing your child's name in a decorative style inspired by Islamic calligraphy. Use markers or paint for bold designs.

Mirror Drawing: Fold paper in half and draw half a design, then complete the other side to make it symmetrical.

Cultural Connection

Research Together: Look up facts about Islamic art and discuss why patterns and calligraphy are important in this tradition.

USEFUL WEBSITES

[How to draw 5-circle Islamic pattern | Primary school art | Kids art with markers – YouTube](#)



HAPPY HARDWORKING COURAGEOUS KIND

H

MUSIC

KEYWORDS

Semibreve,
minim,
crotchet,
treble clef,
stave,
middle C,

notes,
notation,
cross head crotchets,
minims,
rests,
beat,

bar,
crotchets,
dotted crotchets,
semibreve

IN SCHOOL WE WILL BE LEARNING

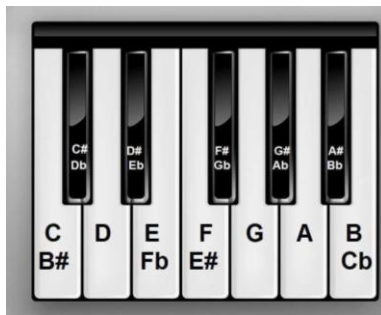
In year 5, pupils are very lucky to be offered the chance to play the keyboard. As a school we provide a large number of the instruments.

Pupils will 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 my 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

Many types of tables have free keyboard apps that can be used to practice the skills we learn in school.

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 online quiz to test this notation.

There is a useful website to a link 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](#)



[Music theory quiz](#)



[4 Beginner Songs](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

RE

KEYWORDS

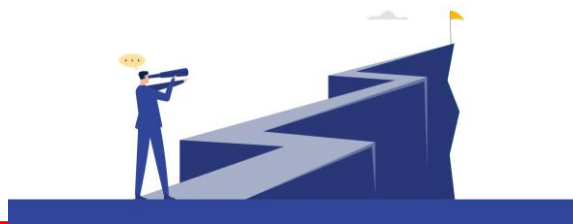
Loyal	Hopeful	Values
Steadfast	Visionary	Virtues
Commitment	Optimism Faith	Beliefs
Faithfulness	Aspiration	Community
Trust	Future goals	Responsibility
Dependable	Inspiration	Choices

IN SCHOOL WE WILL BE LEARNING

In Religious Education this term, children will focus on values from the Birmingham Agreed Syllabus that help shape positive character and community life.

They will begin by exploring what it means to be loyal and steadfast—looking at examples from religious stories and everyday life where commitment and reliability are important. Children will discuss why these qualities matter in friendships, families, and wider society.

Later in the term, they will learn about being hopeful and visionary, considering how hope can inspire people to overcome challenges and how having a vision for the future can lead to positive change. Through stories, group discussions, and creative activities, children will reflect on how these values can guide their own choices and actions.



AT HOME YOU CAN

- Family Discussion: Talk about what loyalty means in friendships and family. Ask: "How can we show loyalty to people we care about?"
- Story Sharing: Read or watch a story together (e.g., a fable or historical tale) and discuss how characters showed loyalty or commitment.
- Commitment Challenge: Encourage your child to stick to a small goal for a week (e.g., tidying their room daily) and reflect on how it feels to be steadfast.
- Vision Board: Create a simple vision board with pictures or drawings of things your child hopes to achieve in the future.
- Positive Thinking Jar: Write hopeful messages or goals on slips of paper and keep them in a jar to read when feeling discouraged.

USEFUL WEBSITES



Scan me!

[Set and Achieve Goals - YouTube](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

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.

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

How people make choices about ways 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



HAPPY HARDWORKING COURAGEOUS KIND

H

PE

KEYWORDS

Serve
Racket
Ball
Pivot

Net
Pass
Receive
Swing

Position
Love

IN SCHOOL WE WILL BE LEARNING

5R and 5J: Tennis

In Year 5, pupils will learn the basic skills needed to play tennis, including how to hold a racket correctly, hit a forehand and backhand, and move into the right position on the court.

They will also practice simple rallies with a partner, learning to control the ball and keep it in play.

As their confidence grows, children will begin to understand rules such as serving, scoring, and taking turns.

Through fun games and activities, they will develop coordination, teamwork, and resilience while enjoying a popular and active sport.



AT HOME YOU CAN

- Learn about and create a poster about how to play Tennis -Rules for the game.
- Create a piece of artwork with equipment from Tennis and a human form using the genre of surrealism.
- Practise playing at home against the ball or with family/ friends.
- Practise balancing and bouncing the ball on a racket.

USEFUL WEBSITES



[How to start playing tennis | Beginner's tips & guidance | LTA](#)



<https://youtu.be/KCaxZaIZys8>

HAPPY HARDWORKING COURAGEOUS KIND

