

Heathfield PRIMARY SCHOOL



CURRICULUM BOOKLET

YEAR 5

SPRING 2

WRITING

KEYWORDS

narrative
varying
conjunctive openers
paragraphs
figurative language

similes
personification
speech
speech marks
non-chronological

report
simple
compound
complex
technical language

IN SCHOOL WE WILL BE LEARNING

This term in Year 5, pupils will be developing their writing skills through narrative, persuasive and non chronological report writing, with learning carefully linked to our class text Cogheart by Peter Bunzl and our History topic on the Industrial Revolution. In narrative writing, children will focus on creating suspense and atmosphere inspired by Cogheart, with a particular emphasis on varying sentence length for effect. They will learn how short sentences can build tension and shock, while longer, more detailed sentences can develop description and slow the pace of a scene. Pupils will also continue to develop their use of dialogue, expanded noun phrases, figurative language, fronted adverbials and precise vocabulary in order to engage the reader and strengthen the impact of their writing.

Following this, children will move on to persuasive writing, where they will learn how to structure arguments clearly and write with a specific purpose and audience in mind. They will explore persuasive techniques such as rhetorical questions, emotive language, modal verbs and strong concluding statements, ensuring their ideas are organised into well structured paragraphs. Later in the term, pupils will apply their historical knowledge by writing a non chronological report about the Industrial Revolution. They will learn how to organise information using clear paragraphs, headings and subheadings, write in a formal tone, use technical vocabulary accurately and link ideas using cohesive devices. Across all writing units, there will be a continued focus on vocabulary development, grammatical accuracy, editing skills and building confidence and stamina as independent writers.



AT HOME YOU CAN

- Practice spellings sent home on Friday- test on Wednesday
- Support children with atom prime and Collins books homework given on a Friday and handed in on a Wednesday.
- Practice using long and short sentence and conjunctive openers.
- Watch BBC Bitesize How to write a non-chronological report (link below) in order to support with structure and features of a non-chronological report.

USEFUL WEBSITES



[Writing a non-chronological report](#)



[Suspense Text Lesson 6: Short and Long Sentences - YouTube](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

READING

KEYWORDS

retrieval
inference
prediction
vocabulary
strategy

themes
context
index
clues
expression

pace
intonation

IN SCHOOL WE WILL BE LEARNING

This half term we will continue to use the book 'The Cogheart' to answer questions. We will read part of this book at the start of every reading lesson.

During the lessons, year 5 will focus on vocabulary. This will include reading words in which the pupils don't know the meaning. We will then think about the different strategies to understand these words. One of the main ways is to read around the word and find clues in the text.

Also, during the half term we will be looking at prediction. Prediction is an important reading skill that helps children think ahead and stay actively engaged with a text. In Year 5, pupils are encouraged to use clues from the story such as character actions, dialogue, setting details and key events to make sensible predictions about what might happen next. Rather than guessing, they learn to justify their ideas using evidence from the text, explaining clearly why they think something will occur. This strengthens comprehension because it requires them to pay close attention to details and consider the author's intentions. Developing prediction skills also helps children become more confident, thoughtful readers who can track changes in mood, tension and character development as a story unfolds.

Throughout the half term, pupils will be reading as part of the weeks lesson. We are asking pupils to read fluently, read words without sounding them out and read with expression.



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.
- Ask your child to explain what they have read to you.
- Read their home enrichment book with them.
- BBC website that explains how to understand new and difficult vocabulary.

USEFUL WEBSITES



[BBC vocabulary](#)



[Cogheart Peter Bunzl censored 13- Copy pdf.pdf](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

MATHS

KEYWORDS

Multiplication
Division
Mentally
Four operations
Addition

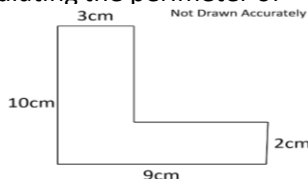
Subtraction
Word problems
Area
Perimeter
Conversion

Estimate
Cm/m squared
Rectilinear shape
Line graph
Fractions

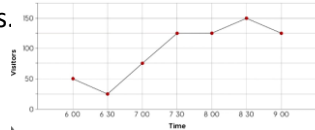
IN SCHOOL WE WILL BE LEARNING

In maths, this half term, the children will begin by using their multiplication and division knowledge to help them to solve questions mentally. Following on from this, the children will be using all the skills they have learnt regarding the four operations to answer multi-step problems that include addition, subtraction, multiplication and division.

After this, we will be looking at measuring and calculating the perimeter of composite rectilinear shapes in both cm and m. This will allow the children to use their multiplication skills for area and their conversion skills when the shapes are measured in both cm and m. The children will then progress to using cm² and m² and also using their estimation knowledge to estimate the areas of irregular shapes.



Moving further into the term, we will be learning to complete, read and interpret information from a table and line graph. The children will then use this skill to solve comparison, sum and difference problems.



Nearing the end of the term, the children will begin a unit on fractions working on multiplying proper and mixed number fractions by whole numbers, this will be supported by concrete resources and diagrams.

AT HOME YOU CAN

- Support your children in being secure with times table knowledge up to 12x12 – TT Rock Stars is a great resource for this (link provided below). Your child's login is in their planner, if they do not have one, please ask them to tell their teachers.
- Talk about methods and ask them to teach you what they have been learning.
- Try to link to real life concepts.
- Watch the video links provided below to support with the start of multiplying fractions.

USEFUL WEBSITES



[TT Rockstars](#)



[Calculating area of a compound shape](#)



[Multiplying fractions with concrete resources](#)



[Multiplying fractions](#)

HAPPY HARDWORKING COURAGEOUS KIND



SCIENCE

KEYWORDS

life cycle
stage
process
male
life span

human
adolescent
adult
ageing
aggression

birth
deterioration
development
embryo
female

foetus
gestation
infant
juvenile

IN SCHOOL WE WILL BE LEARNING

The module Human Reproduction and Ageing will be concluded this term. The children will learn why personal hygiene is important during puberty and describe the changes that happen to humans as they develop from birth to old age. Then, they will examine growth charts of humans and answer questions based on the charts which will help them understand patterns in human growth such as males usually grow between 2 and 17 years old whereas females grow between 2 and 15 years old. Following this they ask a wide range of relevant scientific questions and research the answers in relation to human beings and that as we get older many of the body's systems gradually decline.



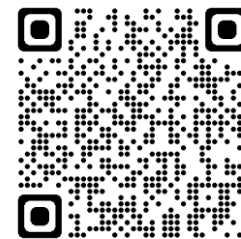
AT HOME YOU CAN

- Research the [life cycle of a human](#).
- Observe the differences between different members of your family who are different ages.
- Learn how a [balanced lifestyle](#) can help as you go through the different stages of life.

USEFUL WEBSITES



life cycle of a human



balanced lifestyle

HAPPY HARDWORKING COURAGEOUS KIND



HUMANITIES GEOGRAPHY

KEYWORDS

Renewable
Non-renewable
Coal
Pollution
Fuel

Oil
Import and export
Offshore
Onshore
Wind farms

Hydro-energy
Biomass
Energy
Geothermal
Solar

Natural gas
nuclear

IN SCHOOL WE WILL BE LEARNING

Renewable and Non-renewable Energy

In Year 5, pupils explore the difference between renewable and non-renewable energy by investigating how each type is produced and what impact it has on people and places.

Renewable energy sources—such as wind, solar, hydroelectric power and biomass—can be replaced naturally and are often seen as more environmentally friendly. Non-renewable sources—like coal, oil and natural gas—take millions of years to form and release higher levels of carbon emissions when used. Children develop their geographical enquiry skills by examining a range of evidence, including diagrams, photographs, climate data and maps, to understand where energy resources are found. They learn to locate key UK power stations, offshore wind farms and fossil-fuel extraction sites on maps and use grid references and compass directions to describe their locations accurately. They also practise creating and interpreting map keys to show different types of energy across the UK.

Pupils extend their learning by investigating where the UK imports much of its energy from, using world maps to trace supply routes from countries such as Norway, Qatar and the United States. Through this, they begin to understand global interdependence and how energy choices link the UK to other nations. They discuss the environmental impact of relying on different forms of energy, particularly how climate change affects both renewable and non-renewable resources—for example, how changing weather patterns can influence wind and solar reliability, or how rising global temperatures shape debates about reducing fossil-fuel use. By analysing data and engaging in group discussions, children consider how the UK can move towards more sustainable energy use and the geographical challenges involved.

AT HOME YOU CAN

- Research about different wind farms around the UK and plot on a map of the UK (onshore and off shore)
- Create a booklet about renewable energy sources and their impact on the environment and the world.
- Create a booklet about non-renewable sources and their impact on the environment and the world.
- Use 6 figure grid references to plot on a world map where different energy supplying countries for the UK are located.
- Create a acronyms poster for renewable and non-renewable.

USEFUL WEBSITES



[What is renewable and non-renewable energy? - KS2 Science curriculum - BBC Bitesize](#)

HAPPY HARDWORKING COURAGEOUS KIND



COMPUTING

KEYWORDS

database
data
information
record
field

sort
order
group
search
value

criteria
graph
chart
axis
compare

filter
presentation

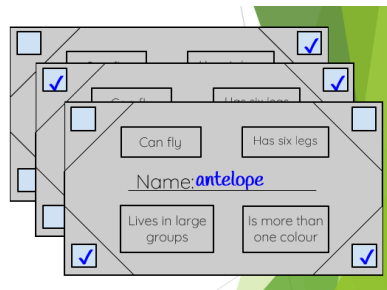
IN SCHOOL WE WILL BE LEARNING

Flat-file databases (continued from last half term.)

This half term, we look at how a flat-file database can be used to organise data in records. The children will use tools within a database to order and answer questions about data. They will create graphs and charts from their data to help solve problems. Children will also use a real-life database to answer a question and present their work to others.

Earlier in the project, the children will create a paper version of a record card database. Using a card template, they will create a data set, with each learner creating eight to ten cards linked to a theme, e.g. animals. The children will complete records for each of the animals in their database and then they will physically sort the cards to answer questions about the data.

Searching the database



AT HOME YOU CAN

Create a Personal Database:

- Have the child create a simple flat-file database at home. It could be something like a collection of their favourite books, toys, or movies.
- Help them identify the fields for each record, such as title, author, genre, etc.

USEFUL WEBSITES



Oak National Academy databases



database facts for kids

HAPPY HARDWORKING COURAGEOUS KIND

H

ART

KEYWORDS

dream like
distortion
scale
texture
pattern

shade
highlight
hatching
stippling
blending

IN SCHOOL WE WILL BE LEARNING

This term in Art, pupils will be exploring the theme of Surrealism and learning how artists use imagination to create unusual, dream like images. Surrealism encourages children to think creatively, combine unexpected ideas and represent ordinary objects in extraordinary ways. As part of this unit, pupils will study the work of artists such as Salvador Dalí and explore how he used distortion, symbolism and surprising imagery to create powerful effects.

Children will begin by exploring ideas independently and collecting visual references to inspire their work. They will experiment with a range of sketching techniques, focusing on pattern, texture, line and tone. They will learn how different techniques such as shading, cross hatching and mark making can create depth and atmosphere. Pupils will explore how careful choices in pattern, shape and tone can help them achieve a specific, dream like effect in their artwork.

A key part of the unit will involve adapting and refining their work. Children will reflect on their sketches, improve areas for greater impact and offer thoughtful suggestions to their peers. This process supports resilience, creativity and critical thinking while helping pupils understand how artists develop and refine their ideas over time.



AT HOME YOU CAN

- Look at Surrealist artwork together online, including pieces by Salvador Dalí. Talk about what makes the image unusual. What looks realistic? What looks dream like? Why might the artist have made those choices?
- Create a dream drawing challenge. Ask your child to draw an everyday object in an unexpected way, such as a clock melting over a tree branch or a door floating in the sky.
- Explore pattern and texture. Collect household objects and look closely at their surfaces. Practise sketching different textures using cross hatching, shading or stippling.
- Tone and shading practice. Draw a simple object and experiment with adding light and dark areas to create depth and atmosphere.

USEFUL WEBSITES



[What is Surrealism? | Tate Kids](#)



[Create Surrealist Art Like Joan Miró | Fun Lesson for Kids & Teachers](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

MUSIC

KEYWORDS

Bon Jovi
rock
percussion
cymbals
tambourine

vocals
bass guitar
electric guitar
notations
crotchet

quaver
minim
semibreve
rests
pitch

tone
dynamics
tempo
texture

IN SCHOOL WE WILL BE LEARNING

This half term pupils will be learning, singing and playing along to the song "Livin' On A Prayer".

Pupils will identify the dynamics, tempo, and texture of the song. We will listen and appraise the song and think about other rock songs.

Year 5 will continue to play the keyboards building on their previous learning and playing skills. Pupils will play instrumental parts with the song from notation using the notes; G, A + B or D, E, F# + G.



When ready, pupils will compose a simple melody using simple rhythms choosing from the notes G, A + B or G, A, B, D + E (Pentatonic Scale)

For this, will explore what the pentatonic scale is.

Pentatonic scale: A fixed five-note pattern e.g: the five black keys on a piano.

Building on our knowledge of "Livin' On A Prayer". We will name a larger range of bands and singers of the rock genre and identify style indicators of rock. Over the course of the half term we will also touch on the history of rock.

Rock music came from rock'n'roll of America in the 1950s and 1960s. It is characterised by loud guitars and drums due to the heavy amplification, strong bass line and driving rhythms.

AT HOME YOU CAN

- What is Rock and Roll? Listen to a range of songs and identify the genre of each of these. There is a link that introduces what rock is and the features that make this type of music.
- Listen to "Livin' On A Prayer" by Bon Jovi. Can we play along at home using the skills taught in our music lessons? Pots and pans or even clapping can be used.
- As we are moving on to a new difficult skill in music lessons, the pentatonic scale. Can pupils talk about what it is and how to play it? There is a video that might remind the pupils about this.

USEFUL WEBSITES

[Bon Jovi - Livin' On A Prayer](#)



[Information on Rock n' Roll for Kids](#)



[Pentatonic Scales](#)

HAPPY HARDWORKING COURAGEOUS KIND



RE

KEYWORDS

Mitzvah Day
Tikkun Olam
Gemilut Chasadim
Tzedek
initiative

Rastafarian
modesty
humility
disciples
Last Supper

salvation
eternity

IN SCHOOL WE WILL BE LEARNING

This term, the children will be looking at the dispositions: 'participating and willing to lead' and 'being modest and listening to others'.

Participating and Willing to Lead

This unit aims to help the children understand the importance of taking part in an activity, why leaders are needed and how people can help to make the world a better place. They will learn in depth about Mitzvah Day, an initiative set up by the Jewish community to help bring different faiths, ages, professions together to work side by side. The children will discuss how this is useful and the reasons for setting up this initiative. The children will also look at how believers in faith participate in Birmingham, the UK and the world. They will learn this through the Christian and Rastafarian faith and discuss their leadership styles.

Being Modest and Listening to Others

This unit aims to help the children explore the concept of modesty through the different faiths. They will learn about the importance of humility through the story of Jesus washing his disciple's feet at the Last Supper. The children will also look at how listening is important. They will explore how Jesus (Isa) is a prophet for both Christians and Muslims and discuss what the Bible says about Jesus and what the Muslims believe Allah said about Isa in the Quran.

AT HOME YOU CAN

- Think about something that is happening in the world today. Could you change it? Would you need a group of friends to help you? Write down your ideas and share them with your family.
- Join a local club
- Do a local clean up initiative.
- Visit a local church or mosque and compare the similarities between both religions.

USEFUL WEBSITES



Mitzvah Day



The Last Supper

HAPPY HARDWORKING COURAGEOUS KIND



PSHE

KEYWORDS

puberty
change
emotions
feelings
bodies

hygiene
advice
support
personal hygiene

IN SCHOOL WE WILL BE LEARNING

How will we grow and change?

This half term, the children will be learning about how their body grows and changes.

They will be learning about puberty and how bodies change during puberty. They will also learn about how puberty can affect emotions and feelings. They will discuss how personal hygiene routines change during puberty. Finally, they will learn how to ask for advice and support about growing and change in puberty.



AT HOME YOU CAN

- Discuss with them about what they are learning in school after every lesson and ask if they have any questions they want to ask.
- Talk to them about how their bodies will change during puberty and talk to them about the importance of personal hygiene.

USEFUL WEBSITES



life-cycle of a human

HAPPY HARDWORKING COURAGEOUS KIND

H

PE

KEYWORDS

symmetrical balances
asymmetrical balances
rotation jumps
rolls
cartwheel

bridge
shoulder stand
collaboration
perseverance
resilience

movement
confidence
problem solving

IN SCHOOL WE WILL BE LEARNING

In this half term the children will be moving on to another topic called Outdoor Adventure Activities (OAA). This topic involves problem solving as well as the development of fitness. The learning will involve considering what makes effective teams/ teamwork with a focus on co-operation and responsibility. They will also consider different ways of collaboration as well as motivation.

In addition, pupils will be encouraged to reflect on their performance and think about how they can improve both individually and as part of a team. They will learn how to give constructive feedback, listen carefully to others and adapt their approach when faced with challenges. This unit supports not only physical development but also important life skills such as perseverance, communication and respect for others, helping children grow in confidence both in and beyond Physical Education lessons.



AT HOME YOU CAN

- Do 10 squats, push ups and sit ups to help build muscle strength.
- Set up a fitness circus at home to complete as a family
- Work on team building activities as a family

USEFUL WEBSITES



Physical activities for kids
https://youtu.be/3_oIssULEk0

HAPPY HARDWORKING COURAGEOUS KIND

