

Heathfield PRIMARY SCHOOL



CURRICULUM BOOKLET

YEAR 3

SPRING 2

WRITING

KEYWORDS

newspaper report
expanded noun phrase
subordinate clause
fronted adverbial
conjunctions

organisational features
punctuation
paragraphs
formal language
proof reading

grammar

IN SCHOOL WE WILL BE LEARNING

This term in writing, children will build upon the skills they've acquired earlier this year. They'll concentrate on writing various forms of writing, such as

- narrative
- newspaper reports

While exploring these text types and the purposes of each, the children will also recap previously covered skills, and developing others. These include understanding and using:

- subordinate clauses
- similes
- expanded noun phrases
- fronted adverbials
- conjunctions
- formal language
- emotive language



Writing to entertain



Writing

to inform



Writing to persuade



Writing to discuss

AT HOME YOU CAN

- Look at what a [newspaper report](#) is and what types of features are needed? Have a go at writing your own newspaper about breaking news!
- Practice using [commas](#) in your sentences. Challenge: How many can you do?
- Practice handwriting at home. Have a go at forming all the letters to a consistent size that are also joint too.

USEFUL WEBSITES



newspaper report



context for writing



how to use commas

HAPPY HARDWORKING COURAGEOUS KIND



READING

KEYWORDS

retrieval
inference
prediction
key words
scanning

underlining
vocabulary
infer
fiction
non-fiction

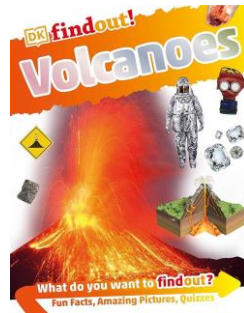
explain
punctuation
tone
intonation

IN SCHOOL WE WILL BE LEARNING

This term, our class will continue to explore the non-fiction text, Volcanoes and a non-fiction extracts about volcanoes and rocks. These texts will be the focus to our learning.

The children will focus on enhancing various skills by answering different types of questions including true or false, multiple choice, matching, and constructing sentences in response. These skills include retrieving information from the text, making inferences, understanding vocabulary, predicting outcomes, and summarising.

Additionally, during guided reading sessions, children will continue to build upon their fluency and self-correction skills. In these sessions, the children will focus on developing their intonation, tone, and pace, while also enhancing their comprehension skills through a range of questions linked to the text types.



AT HOME YOU CAN

- [Read with your child](#) daily (class text/levelled book and library book). Ensure a comment is written in their reading journal each time you do. Ask them questions based on what they have.
 - How might the character be feeling?
 - Summarise what has happened?
 - Can you think of another word for...
- Write a [book review](#) about the book that you have read. You can also write one on the [Heathfield Book Review](#) Page!
- Identify unfamiliar words – use a dictionary to find the meaning or read around the word to find it.

USEFUL WEBSITES



book review tutorial



meaning of unfamiliar words



Heathfield Book Review

HAPPY HARDWORKING COURAGEOUS KIND

H

MATHS

KEYWORDS

multiply
regrouping
divide
partition
remainders

measurements
centimetre
millimetre
perimeter
lengths

convert
Roman numerals
intervals
hour
minute

IN SCHOOL WE WILL BE LEARNING

In this term of maths, the children will be focusing on:

Multiplication and Division

The children will begin learning how to multiply two-digit numbers by one and two digits. Once they have confidently grasped this concept, they will move on to performing the calculation with regrouping.

Next, they will progress to dividing a two-digit number by one and two digits. Initially, they will perform this calculation without regrouping. Then, they will advance to dividing with flexible partitioning and, finally, dividing with remainders.

Measurement

The children will explore measuring in different units of measurement. This exploration will lead them to converting lengths into different units of measurement. Additionally, they will delve into understanding perimeter, how to measure it, and how to calculate it. Towards the end of the term, the children will further develop their knowledge of time, including Roman numerals, estimating and reading time to five minutes, and using AM and PM.



AT HOME YOU CAN

- Learn what [perimeter](#) is and how to measure it.
- Practice [telling the time](#) and drawing the clocks with different times
- Practice your times tables and divisions – [hit the button](#)

USEFUL WEBSITES



perimeter



telling the time



Hit the Button

HAPPY HARDWORKING COURAGEOUS KIND



SCIENCE

KEYWORDS

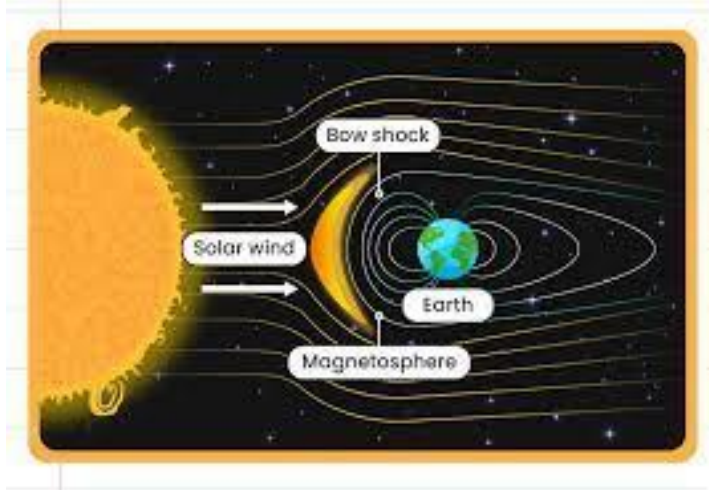
pushing
pulling
forces
contact forces
comparative test

attract/attraction
compass
magnet
magnet force
magnetise

magnetosphere
magnetite
repel/repulsion
south pole
north pole

IN SCHOOL WE WILL BE LEARNING

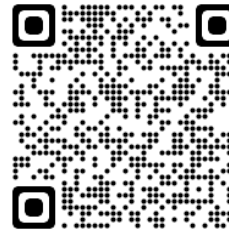
The topic 'Forces and Magnets' will span over the whole of Spring term. This half term the children will make careful observations and compare magnetic fields. They will compare and group materials based on their magnetic properties. Children will gain a knowledge about the magnetosphere and create a compass. They will be encouraged to ask questions about the world around them and explain that they can be answered in different ways. In this topic, the children will investigate magnetic strength using various methods. Through this they will learn to set up and carry out some simple, comparative and fair tests, making predictions for what might happen



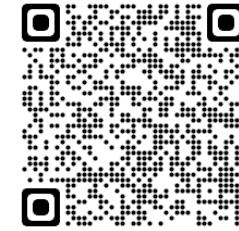
AT HOME YOU CAN

- Research [magnets and magnetism](#).
- Learn what a [compass](#) is and what it is used for.
- [Make](#) a compass with your family.

USEFUL WEBSITES



magnet and magnetism



What is a compass?



make a compass

HAPPY HARDWORKING COURAGEOUS KIND



HUMANITIES GEOGRAPHY

KEYWORDS

epicentre
magnitude
seismic
wave
tremor

Richter scale
lava
molten
aftershock
active

dormant
continental
drift
metamorphic
plate

boundaries
vent
surge
impermeable
magna

IN SCHOOL WE WILL BE LEARNING

Rocks, Relics and Rumbles

In the Rocks, Relics and Rumbles project, your child will learn about the different layers of the Earth, including plate tectonics and their potential effects on the Earth's surface.

They will investigate different types of rock to learn about their uses and properties.

They will also investigate soil and fossils, including learning about the work of Mary Anning.

They will have the opportunity to use maps to learn about the lines of latitude and longitude and a compass to learn about the cardinal and intercardinal points.

They will also learn about volcanoes, earthquakes and tsunamis and the long and short-term consequences that these can have.



AT HOME YOU CAN

- Write a poem on the theme of volcanoes. You might like to write about an eruption, a specific volcano that you have learned about, or the damage caused after a volcanic eruption. Try to include expanded noun phrases in your poem.
- Imagine that you just experienced an earthquake - write a short story about what happened. Use topic vocabulary to describe the strength of the earthquake, such as: tremor, epicentre, magnitude and seismic wave.
- Create a labelled diagram of a volcano.

USEFUL WEBSITES



Plate tectonics



Explore Earthquakes

[Earth's Layers – Inside the Earth](#)
[Rocks and Minerals](#)
[Mary Anning Facts!](#)
[How Tectonic Plates Move](#)
[Latitude and Longitude](#)

HAPPY HARDWORKING COURAGEOUS KIND



COMPUTING

KEYWORDS

attribute
value
question
table
objects

branching
database
objects
equal
even

separate
structure
compare
order
organise

selecting
information
decision tree

IN SCHOOL WE WILL BE LEARNING

Branching Databases

The children will develop their understanding of what a branching database is and how to create one. They will use yes/no questions to gain an understanding of what attributes are and how to use them to sort groups of objects. Children will create physical and on-screen branching databases. To conclude the unit, they will create an identification tool using a branching database, which they will test by using it. They will also consider real-world applications for branching databases. For this unit, both you and your children will need access to the j2data Pictogram, Branch, and Database tools.

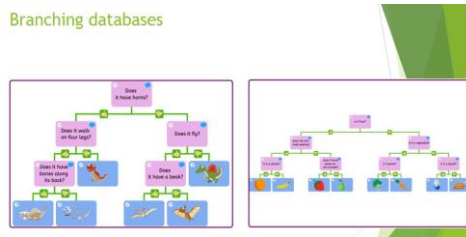
At the beginning of the project, children will start to explore questions with yes/no answers, and how these can be used to identify and compare objects. They will create their own yes/no questions, before using these to split a collection of objects into groups.

Open-ended questions

Some questions are open-ended. You can give an opinion or add more detail.



Branching databases



AT HOME YOU CAN

Create a Story Sorting Database:

- Choose a collection of storybooks or short stories.
- Ask children to identify different story elements (characters, setting, genre).
- Develop yes/no questions to sort the stories and create an on-screen branching database using the j2data tools.

Toy Sorting Game:

- Select a mix of toys with distinct attributes (colour, size, shape).
- Work with children to develop yes/no questions to sort the toys.
- Create a physical branching database with the toys and replicate it on the j2data tools

USEFUL WEBSITES



J2data



how to create a Branching Database – J2Data

HAPPY HARDWORKING COURAGEOUS KIND



D & T

KEYWORDS

automaton
machine
critical analysis
axle
mechanism

cam
slider
lever
rotation
linkage

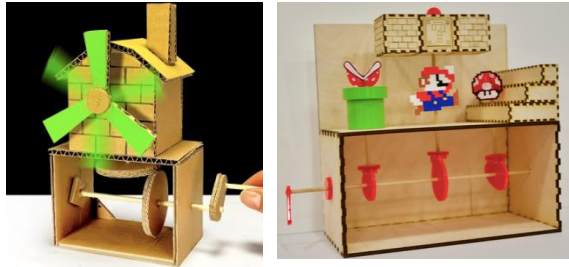
design criteria

IN SCHOOL WE WILL BE LEARNING

This project teaches children about cam mechanisms. They experiment with different shaped cams before designing, making and evaluating their automaton toy.

The children are beginning to practise a greater level of independence in the designing and making of mechanisms. They will generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. They will investigate cams systems and how the various shaped cams can affect a mechanism. They will then use this knowledge to design and make an automaton toy of their own. Building on previously learnt skills, the children will be encouraged, through discussion and trial and error to choose tools and materials that are most suitable for their project.

Once completed the children will be led in the process of critical evaluation. They will analyse each other's projects and be encouraged to consider the suggestions of others, before critically evaluating their own work.



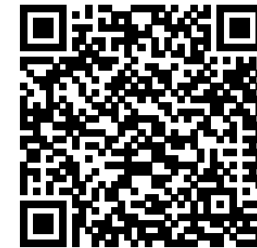
AT HOME YOU CAN

- Open the link from the first QR code and go to the "Making a simple cam mechanism". You can use this to make a simple cam mechanism with your child – it is a good idea to keep repeating the new words as you go through the different steps.
- If you feel inspired, change the shape of the cam and see what happens.
- The second QR code shows you how cams are used in real life and gives you and your child some creative ways to decorate your cam and make it look visually appealing.

USEFUL WEBSITES



Primary Resources
- How to make a simple cam



BBC Teach - making a moving shop display

HAPPY HARDWORKING COURAGEOUS KIND

H

MUSIC

KEYWORDS

Aitutaki Drum Dance
Zebaidir Song
Bruno Mars
Gladys Knight
Stevie Wonder

Dionne Warwick
Elton John
Randy Newman
Stevie Wonder
pop

Monkees
Pete Readman
pulse
rhythm
pitch

IN SCHOOL WE WILL BE LEARNING

This half term, pupils will be using the song "The Dragon Song". Pupils will sing along, and name instruments they can hear in the song.

Using the recorders we will be practicing to play the instrumental parts using up to 3 notes – G, A & B. Pupils will be working on notation and use the music scale to start to read music in a very simple way.

Throughout the half term, pupils will focus on pop music: A shortened form of 'popular music'. We will highlight that pop music constantly changes as we change and the world changes.

Once pupils are confident in the song, we will be asking pupils to know how pulse, rhythm and pitch work together to create a song. We will use this to compose a simple melody using simple rhythms choosing from the notes G, A + B or D, E, G, A + B. (Pentatonic scale)

During their composition time we wish pupils to know that there are different ways of recording compositions (letter names, symbols, audio etc.)



Throughout the unit we want pupils to know that using one or two notes confidently is better than using five.

AT HOME YOU CAN

- Listen to pop songs together. What do you notice about the structure? Do parts repeat? Can you sing along easily?
- Discuss the meaning and atmosphere of some songs.
- I have added a link to Trolls as they sing a range of famous pop songs with varied forms and types of pop music.
- Ask pupils to build on what they have learnt in lessons with musical notation. I have included a link to a video that explains more about musical notation and another link to website that explains the scale. This can get very complicated, but some pupils may wish to explore the scale.

USEFUL WEBSITES



[Musical Notation](#)



[Trolls Pop Music Medley](#)



[How to Teach Kids to Read Music Notes](#)

HAPPY HARDWORKING COURAGEOUS KIND

H

RE

KEYWORDS

Sabbat
Passover
Pesach
sedar plate
symbolic

abstain
liberation
loyal
steadfast
Judas

disciples

IN SCHOOL WE WILL BE LEARNING

This term the children will be looking at the dispositions 'Remembering roots' and 'Being Loyal and Steadfast'

Remembering Roots

This unit aims to help the children explore the Jewish roots through their celebrations of Shabbat and Passover. The children will look at the importance of being together to remember significant events whether happy or sad. They will then look at how Jewish people have a rest day called 'Shabbat' and its importance. The children will then explore the origins of the festival of Passover. They will learn about the sedar plate and how it is made of symbolic foods to retell the story of Passover.

Being Loyal and Steadfast

This unit aims to help the children explore being loyal and steadfast through the different religious viewpoints. The children will look at how they show loyalty and commitment to their friends and whether it is difficult to be loyal all the time. They will look at how Muslims children display loyalty through their scout's group. Alongside this, they will explore the story of Jesus and his disciples and their loyalty to him. The children will also learn about Judas and compare his and the disciple's behaviour towards Jesus

AT HOME YOU CAN

- Talk to older members of the family (grandparents, aunts, uncles, parents) and talk about your roots. Where did your grandparents come from? Did they have certain traditions that they did? Are you still following those traditions?
- Draw a family tree, look at old photos, how far can you trace your family tree to?
- Read the story of the Sahabah's (Mohammed PBUH companions). Then compare to your own situation with a friend. Are there similarities? What are the differences?

USEFUL WEBSITES



What is the Passover?



loyalty and friendship

HAPPY HARDWORKING COURAGEOUS KIND

KEYWORDS

community
groups
different
diverse community
wider community

local community
included
contributions
respect

IN SCHOOL WE WILL BE LEARNING

What makes a community?

This half term, the children will be learning what makes a community.

They will discuss, research and learn about how we belong to different groups and communities. We will also learn about what is meant by a diverse community; how different groups make up the wider/ local community around school. Following this, they will learn how the community helps everyone to feel included and values the different contributions that people make. Before ending the term learning about how to be respectful towards people who may live differently to them.



AT HOME YOU CAN

- Walk around your local area and note down the different places of worship, different types of shops that cater for different parts of your local community, the different services that supports your local community e.g. the doctor's surgery, nursery, schools... discuss how they all make up our local community that they are part of.
- Go to the [Handsworth Park Art Trail](#) which celebrates our local community's history.
- Research what a [community](#) is and means.

USEFUL WEBSITES



Handsworth Park Art Trail information



What is a community?

PE

KEYWORDS

balance
roll
jump
individual
group work

sequence
matching
contrasting
control
counting

rhythm
canon
unison
formation
levels

IN SCHOOL WE WILL BE LEARNING

PE for 3J

This term, they will be studying gymnastics. In this unit pupils develop balancing, rolling and jumping. They use these skills individually and in combination. Pupils develop their sequence work, collaborating with others to use matching and contrasting actions and shapes and develop linking sequences smoothly with actions that flow. Pupils develop their confidence to perform, considering the quality and control of their actions.



PE for 3B

This term, they will be studying dance. Pupils create dances in relation to an idea. Pupils work individually, with a partner and in small groups, sharing their ideas. Pupils develop their use of counting and rhythm. Pupils learn to use canon, unison, formation and levels in their dances. They will be given the opportunity to perform to others and provide feedback using key terminology.



AT HOME YOU CAN

- To develop strength of muscles practice doing 10 squats, press ups and sit ups a day.
- To develop your flexibility, do 10 stretches a day: while standing up, touch your toes, keeping your legs straight; claps your hands behind your back and lift your arms; and while kneeling, reach your arms back to hold onto your ankles while trying to keep your legs together.
- Dance in time to the music at home and count the beat of the music e.g. 1, 2, 3, 4, 1, 2, 3, 4

USEFUL WEBSITES



push up advice



creating an animal dance

HAPPY HARDWORKING COURAGEOUS KIND

