

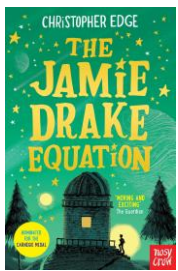


Holbrook C of E Primary School

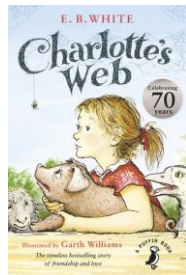
Year 4 Curriculum – Autumn Term

Star Gazers

Our key texts are:

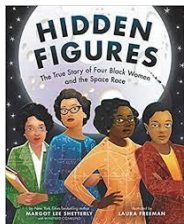


By Christopher Edge

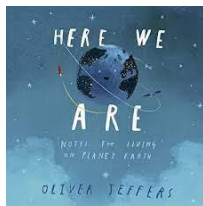


By E.B. White

Other texts:



By Margot Lee Shetterly



By Oliver Jeffers

Key writing objectives:

We teach the children writing techniques, grammar, reading comprehension and expand vocabulary through Talk4Writing. Talk4Writing all starts with high quality texts, which we pick apart and reconstruct into our own writing.

Fiction writing

Setting and Character Description

We will be exploring describing a scene using the book **'The Jamie Drake Equation'** by Christopher Edge. We will be reviewing a detailed description of an observatory and then rewriting the story with our own chosen setting.

With settings, children learn grammar such how to use adjectives and preposition to build an image in the reader's mind.

After half term, we will be reading **'A Bear Called Paddington'** by Michael Bond where we will be looking at how to create dramatic character descriptions.

Dilemma

Later this term, we will explore dilemma writing whereby characters find themselves in a pickle! We will delve into how the author builds suspense and creates a page turning catastrophe.

Non-fiction writing

Information

We will be creating our own information texts about space by exploring space travel. We will focus on how to intrigue the reader with extraordinary facts and precise detail. To complete this writing, we will rely on our vast knowledge of space, which we will develop through science lessons.

Discussion

Should people be allowed to holiday in space?

Is travelling into space a good thing?

Through this writing, we will debate and discuss interesting moral questions involving space. This text will give children an experience of balanced arguments and an opportunity to debate their own ideas.

Poetry

We will learn and perform the poem **'The Milky Way'** by Annette Wynne. We will explore the meaning of the text and link it back to our learning in science. We will use this poem to inspire our own space poetry.

Spelling patterns this term:

Words with /aw/ spelt with augh and au

Adding the prefix in- im- il- ir-

Homophones & near homophones

Words with /shun/ endings spelt with 'sion' (if root word ends in 'se', 'de' or 'd')

Words with a /shuhn/ sound, spelt with 'sion' (if root word ends in 'se', 'de' or 'd')

Words with a /shuhn/ sound, spelt with 'ssion' (if root word ends in 'ss' or 'mit')

Words with a /shuhn/ sound, spelt with 'tion' (if root word ends in 'te' or 't' / or has no definite root)

Words with 'ough' to make a long /o/, /oo/ or /or/ sound

Words with a /shuhn/ sound, spelt with 'cian' (if root word ends in 'c' or 'cs')

Words with 'ough' to make a long /o/, /oo/ or /or/ sound

Statutory Spellings Challenge Words

Key reading objectives:

We will be developing our reading skills through weekly reading sessions.

We will improve fluency through practicing reading independently, with an adult and with groups weekly. We also ask **children to read with an adult three times a week a home.**

We will develop reading comprehension skills using the 'Super Seven Reading Strategy': Question, visualise, look for clues, predict, make links, be a word detective and summarise.

This term we will specifically focus on:

- Visualising: I make pictures in my head as I read and change them as I read more.
- Be a word detective: When I find words or phrases which I don't understand, I try to work them out.
- Make links: I use what I have seen, done and already learned to make sense of what I read.

We understand the texts we are reading through good question asking. We use VIPERS questions to ask a variety of questions.

V- Vocabulary
I – Inference
P – Predict
E – Explain
R – Reason
S – Summarise

If you feel you would like question prompts for any of these areas, we can provide you with support.

Key Science objectives:

Space

This Autumn term we are learning all about space.

There will be a **trip to the Space Centre** outside of Leicester to enrich their learning in an exciting and informative way,

In this topic we will learn:

- the planets in our solar system
- how and why things orbit one another
- the moon phases
- the relationship between the sun, the moon and Earth.

This learning will be supported by fair testing investigations.

We have linked many of our other foundation subjects around our space topic to help embed knowledge and support children making links in their learning.

If you are interested, there is an **excellent five-part document about Space which is hosted by Professor Brian Cox** called 'The Planets'. It is available on BBC iPlayer.

Key Maths objectives:

We use White Rose Maths to teach mathematics.

This scheme helps children learn through using concrete materials (such as counters and dienes), then moves onto using pictorial support until they are ready for abstract (numerical) questions only.

Over this term, we will explore:

Place value

- Representing and partitioning numbers to 10,000
- Understanding and estimating number lines to 10,000
- Comparing and ordering numbers to 10,000
- Rounding to the nearest 10, 100 and 1,000
- Roman numerals to 100

Addition and subtraction

- Adding 1s, 10s and 100s
- Adding two 4-digit numbers together
- Subtracting two 4-digit numbers together
- Efficient strategies for addition and subtraction
- Estimating addition and subtraction answers

Measurement (area)

- Understanding what area is
- Counting area in squares
- Creating areas in shapes
- Comparing areas

Multiplication and division

- Multiplying and dividing by 3, 6, 9, 7, 11, 12
- Multiplying by 1 and 0
- Dividing by 1
- Multiplying three numbers together

We also provide regular arithmetic practice and include problem solving and reason opportunities in every lesson.

In summer term, Year 4 children will complete a times table check. This check involves times table questions up to 12 x 12. We will give out more information about this check nearer the time.

To support children learning their times tables, we have given all children access to **Times Tables Rock Stars**. We give children time to access this website in school weekly and ask that they spend time on it at home too. Children's personal log in details are in their reading records.

Key Science objectives:

Forces

We have chosen two science topics for this term, because we felt that Forces and Space provided children with lots of related links.

In this science topic we will learn:

- about the force of gravity
- what is air resistance, water resistance and friction
- to recognise mechanisms that have levers, pulleys and gears

Children will have an opportunity to further understand forces through practical application in Design and Technology.

Art:

We will be developing our sketching and painting skills by focusing on the classic 'A Starry Night' by Vincent Van Gogh.

Children will have the opportunity to:

- Use pencils lines to create texture, shade and movement
- Mix paints to create new colours
- Apply a variety of brush techniques to imitate the work of Vincent Van Gogh

Geography:

Linking to our Space topic, Class 3 will be learning about these areas in geography:

- recognise the position of the equator and southern and northern hemispheres
- know which countries and continents are in the two hemispheres
- use latitude and longitude to use co-ordinates on a map
- identify the Antarctic and Arctic poles
- understand what the Tropics of Cancer and Capricorn are and their related climate
- how and why the different parts of the world have day and night at different times
- Know some of the countries and capital cities in Europe
- Identify the continents of the world

DT

Our DT focus is rockets – the children will design and create their own rockets. They will then evaluate how successful their design was by how far their rocket travelled.

History:

In October, as part of Black history Month, we will be reading Hidden Figures. Class 3 will discuss the importance of people having their achievements recognised, no matter their race, colour, gender or religion. We will consider the impact these three black women had on NASA, the space program and influencing future generations of women, both white and black.

For any parents interested, there is an excellent film based on their lives called Hidden Figures

RE:

We will be exploring two RE topics this term.

Why is the bible so important?

In this topic, we will explore the importance of sacred texts and how they impact people's lives. We will consider:

- How we gain wisdom from texts
- The Big Story of the bible and how it is a collection of stories.
- What the bible teaches Christians about God, life, the universe and everything.
- How the bible can inspire art, dance and drama.
- Using the bible to help when we are tempted to do the wrong thing

Why do people pray?

In this topic, we will consider how different people use prayer and how we can be reflective and thankful in our own lives. We will learn:

- What prayer is
- How Muslims, Hindus and Christians pray
- Similarities and differences between the way Muslims, Hindus and Christians pray
- How we can use reflective and thankfulness to grow as a person.

PSHE:

This term, Year 4 will be discussing and giving examples of different types of families and what makes a family important to them. They will learn how to share any concerns they have and how people in families care for each other.

Music:

Our music topic is based around the song 'Let your spirits fly' by Joanna Mongona. It's a R&B song for children, with a message that everyone can join in and have fun with music.

We will learn and perform the song through singing, percussion and note-playing instruments.

PE:

Mr Adams will continue to inspire and motivate PE on Tuesdays and Fridays. His focus this term will be on athletics and learning to play group games.

Please can children come to school in their PE kits on Tuesdays and Fridays, unless asked not to for a specific reason.

MFL:

Our Modern Foreign Language (MFL) is Spanish. Class 3 children will be learning:

- Spanish punctuation and pronunciation
- Numbers to 100
- Colours
- Verb forms

Computing:

In computing, we will focus on two main areas:

Coding

- Using flowcharts
- Learning different functions such as timers and repeats
- Coding, testing and debugging
- Designing and making an interactive scene

Online safety

- How to make safe passwords
- Recognise and consider what might be fact and what might be fake
- Learn about age ratings and how to recognise symbols about age ratings
- Discuss why PEGI ratings exist

Homework expectations:

Reading

3 x per week at home with an adult

Spelling

1 x per week handed out on a xx. Spelling tests are on xx.

English

1 x per week, handed out on xx and due in on xx.

Maths

1 x per week, handed out on xx and due in on xx.

We will post a message on Dojo stories describing the homework and listing the spellings.

We will check reading records every week.

Ideas to support at home:

Outside of homework, we love to encourage home learning by exploring our topics through websites, games, documentaries and books. Here are some things you might want to look at:

- The NASA website (<https://www.nasa.gov/>) (Website)
- The Space Centre website (<https://spacecentre.co.uk/>) (Website)
- Hidden Figures (2016) (Movie)
- The Planets documentary hosted by Professor Brian Cox, available on BBC iplayer (Documentary)
- Dr Maggie's Grand Tour of Our Solar System by Dr Maggie Aderin-Pocock (Book)
- Curiosity: The Story of the Mars Rover by Markus Motum (Book)