



ST John's Highbury Vale Curriculum Newsletter

Year 5

Autumn Term 1 2023

Mathematics

We will begin by reviewing key elements of the Year 4 curriculum:

Number and place value

- in multiples of 6, 7, 9, 25 and 1000
- Count backwards through zero to include negative numbers
- Order and compare numbers beyond 1000
- Round any number to the nearest 10, 100 or 1000

Addition and Subtraction

- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Multiplication and Division

- Recall multiplication and division facts for multiplication tables up to 12×12

Fractions

- Recognise and show, using diagrams, families of common equivalent fractions
- Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten
- Round decimals with one decimal place to the nearest whole number
- Solve simple measure and money problems involving fractions and decimals to two decimal places

Measurement

- Convert between different units of measure <eg>kilometre to metre; hour to minute</eg>

Properties of Shape

- Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- Identify lines of symmetry in 2-D shapes presented in different orientations

Position and Direction

- Plot specified points and draw sides to complete a given polygon

Statistics

- Solve comparison, sum and difference problems using information presented in a line graph

We will then move onto place value looking at numbers up to 1,000,000.

Some helpful websites:

All aspects of maths: [Prodigy](#): [BBC Bitesize Maths](#) [Maths Frame](#)
For parents: [Maths At Home](#) [The School Run](#) Multiplication tables: [TT Rockstars](#) [Top Marks](#)
Problem solving & Reasoning: [NRICH](#) Games: [Cool Maths Games](#) [Maths Playground](#)

Computing:

This term children will explore online safety and coding. Children will learn to understand the importance of being safe online, review coding vocabulary, create a flowchart design to control programs and program a character to respond to user keyboard input.

Children will:

- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact
- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output

SMSC Links: use of imagination and creativity in their learning.

<https://www.bbc.co.uk/bitesize/subjects/zvnrg6f> [Safety Net Kids](#) [Safer Internet](#)

Writing

This half term, our English lessons will be focused on 'The adventures of Odysseus' a book based on Greek mythology. We will also look at The Myth of the Minotaur.

Writing: (Transcription / Composition)

- identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- noting and developing initial ideas, drawing on reading and research where necessary
- in writing narratives, considering how authors have developed characters and settings in what they have read, listened to or seen performed
- in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action
- assessing the effectiveness of their own and others' writing
- perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear

Writing outcomes:

- Non-fiction: Information posters
- Fiction: text based diary writing
- Fiction: text based speeches
- Non-fiction: notes for a debate
- Fiction: story writing
- Fiction: text based newspaper articles

SMSC Links: understanding and appreciation of the wide range of cultural influences that have shaped their own heritage and that of others.

Some helpful websites:

[Every School](#) [BBC Bitesize](#) [Super Sentence Stacking](#) [Pobble365](#)

Spelling: [Spelling Frame](#) [Sir Linkalot](#) [Oxford Owl](#)

Religious Education

Our topic this term will be based around the question; 'What do the miracles of Jesus teach?' We will be learning about stories from the Old Testament and how they have impact on Christians today. We also think about the difference faith makes to believer's lives' and how this affects how they make their decisions.

SMSC Links: understanding and appreciation of the range of different cultures within school and further afield as an essential element of their preparation for life in modern Britain.

This term's Christian Value is 'Friendship'.

Useful website: [BBC Bitesize](#)

<https://www.bbc.co.uk/bitesize/topics/ztkxpv4/articles/zvfnkmmn>

Physical Education

Our physical curriculum will focus on combining controlled movements, developing our throwing accuracy and developing tactical awareness. Our main focus will be on Dodgeball and Netball.

Some suggested websites to help you keep fit:

[Joe Wicks' Daily PE lesson](#) [Cosmic Kids Yoga](#)

Music

We will be spent learning the principles of beat, rhythm and musical timing. Alongside learning to play the trumpet this academic year.

Reading

Children will maintain positive attitudes to reading and an understanding of what they read by:

- reading books that are structured in different ways and reading for a range of purposes
- Identifying and discussing themes and conventions in and across a wide range of writing
- making comparisons within and across books
- checking the book makes sense to them, discussing their understanding and exploring the meaning of words in context
- ask questions to improve their understanding
- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- predicting what might happen from details stated and implied
- summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas
- participating in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously
- explaining and discussing their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary
- providing reasoned justifications for their views

Here are some **suggested websites** with free access to quality fiction and non-fiction texts that can be read and heard:

[Authorfy](#) [David Walliams' Elevensies](#) [Oxford Owl](#)

Comprehension: [Read Theory](#) [BBC Bitesize](#)

PSHE

We will be looking at the theme 'Being Me in My World'. We will look at planning for the forthcoming year, being a citizen, rights and responsibilities, rewards and consequences, how behaviour affects groups, democracy, participating and having a voice.

Children will apply this learning to the school's Kindness Project.

Science

Throughout the year, children have been developing their 'Working Scientifically' skills, including data recording, analysing, planning, measuring and making predictions.

The children will be learning about Animals, Including Humans. They will learn about prenatal development, changes in humans and puberty.

Children will:

- Describe the changes as humans develop to old age
- Identifying scientific evidence that has been used to support or refute ideas or arguments.
- Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs
- Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations

SMSC Links: enjoyment and fascination in learning about themselves, others and the world around them

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| | | | Some helpful websites: BBC Bitesize The School Run Crickweb Woodlands |
| <u>History</u> The children will be learning about Ancient Greece. They will study Greek life and achievements as well as their influence on the western world. They will learn about Greek Gods, democracy and the first Olympic games. https://www.bbc.co.uk/bitesize/topics/z87tn39 | <u>Design Technology</u> Children will design, create and paint Greek style pots using clay. | | <u>French</u> Vive le sport! and animals: – talking about the sports we play, comparing healthy/unhealthy food and drink; simple descriptions of animals and how they move, responding to a story about animals https://www.lightbulblanguages.co.uk/resources-pr-fr-schemeofwork.htm#y3 units 7 and 8 |