

Lower Key Stage 2

Year 3 and 4

Curriculum Overview

Autumn Term

Team Building (2 Weeks)
 PHSE Team building – at the beginning of the year the children participate in team building activities in order to get to know and work effectively with each other.

Ancient Britain and Romans (5 Weeks)
 History - In this unit of work the children learn about the expansion of the Roman Empire, what it was like to live as a Roman soldier and make mosaics, coins and other artefacts from the Roman times. Music – marching music (composition) Geography – map skills spread and decline of empire Jewry Wall

Famous artists (3 weeks)
 Art - The children will learn about different artists and their work and will have the opportunity to recreate some of these pieces. They will also meet some local artists.

Computing – Picasso head Science - Healthy eating, sunflowers

Electricity (2 weeks)
 Science – The children explore how a circuit is made, the different components in the circuit and electrical safety.

DT – electrical systems Computing – Network engineers: the children will discover how the school network works

Imaginary Worlds (3 Weeks)
 English - Using the book, 'The Voyage of the Dawn Treader', the children will design their own island, create a monster to live on the island using simple hydraulics, and write stories about people discovering their island.

Geography – land features: Science – Volcanoes

Music – Tension/film music

Computing- game programming – Purple mash

Who is your neighbour? (1 week)
 RE - a unit based on the story of the Good Samaritan, which asks how can we look after and treat our neighbours well? This also includes links to anti-bullying and relationships.

Spring Term

Chocolate (4 Weeks)
 English - this unit looks at how chocolate is made; the issues around fair trade; changing states and solids, liquids and gases and will include a trip to Cadbury's World!

PSHE – fair trade

Geography – life of a cocoa grower

Science - Changing State

DT – Chocolate box

Visitor

Fair Trade Performance (5 weeks)
 Drama - The chance to create some performances to share with parents and the school. The children will work with local artists and performers to create these. The theme will be 'good to be me.'

DT – prop / scenery / costumes

Computing – purple mash newspaper report. Art – programme design.

PE – dance.

Music – singing Theatre trip / theatre company visit

Animals and humans 1 (2 weeks)
 Science – The children will examine food chains, make different foods and also design a webpage with their learning from this topic.

DT – making food

Computing – webpage (HTML)

Values – What matters Most? (1 Week)
 RE - exploring what matters most to people

How does a Christian Follow Jesus? (2 weeks)
 RE - looking at the life of Jesus and how this affects how a Christian lives.

Summer Term

Inventions and Machines (4 Weeks)
 DT – The children will explore the history of inventions and those who invented them. They will learn about different materials, design a toy using the computer and make their own machine.

Science – Materials History – Key inventions Computing – Design of toy

Visitor - An inventor

Protecting the environment (7 Weeks)

Geography - the children will learn about plants and habitats, they will create their own video and produce digital music based on the environment, they will explore different creation stories and use art to represent what they see in the environment. RE - creation stories

Science – plants, habitats, food chains, magnetism (recycling)

Music – soundscape (audacity)

Photography – photos of the environment Computing –Movie Maker, video cameras, news report

Art – natural art

Visits to Botanical gardens and Spinney Hill

Visitors – scootability

Pre-History (2 weeks)
 History - this topic explores the chronology of British history, as well as exploring life in the stone age and iron age. We will visit Braedgate Park to see what clues we can learn about these people.

Bullying (1 week)
 PSHE - a unit of work based on the story of 'The Angel of Nitshill Road' which explores issues to do with bullying in school

Changes (1 week)
 PSHE



National Curriculum Age Related Expectations for Year 4 in Mathematics and English

Year 4 Maths

Below are the key skills that year 4 pupils need to be able to achieve in order to be working at national expectations.

Number and Place Value

- Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- Solve number problems and practical problems involving these ideas

Addition and Subtraction

Add and subtract numbers mentally, including:

- a three-digit number and ones
- a three-digit number and tens
- a three-digit number and hundreds

Multiplication and Division

- Recall and use multiplication and division facts for the 3x table
- Recall and use multiplication and division facts for the 4x table
- Recall and use multiplication and division facts for the 8x table
- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

Fractions

- Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- Recognise and show, using diagrams, equivalent fractions with small denominators

Measurement

- Measure, compare, add and subtract lengths (m/cm/mm)
- Measure, compare, add and subtract mass (kg/g)
- Measure, compare, add and subtract volume/capacity (l/ml)
- Add and subtract amounts of money to give change, using both £ and p in practical contexts
- Tell and write the time from an analogue clock and 12-hour and 24-hour clocks

Properties of Shape

- Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

Statistics

- Interpret and present data using bar charts, pictograms and tables

Year 4 English

Below are the key skills that year 4 pupils need to be able to achieve in order to be working at national expectations.

Reading

The following skills below need to be achieved across a range of book types and at the appropriate level of text.

- Notice mistakes made in reading using meaning, language structures and visual information and make a correction as a result
- Explain the meaning of words in context
- Check the text makes sense while reading
- Identify main ideas taken from a paragraph and summarise these
- Make inferences such as inferring characters' feelings and thoughts from their actions or from what they say
- Find evidence from the text to show understanding
- Understand books that have been read and discuss the books including expressing opinions about them
- Identify themes in a range of books

Writing

- Spell some tricky words from the year 3 / 4 list
- Spelling and punctuation is used accurately in dictated sentences and in writing
- Show time, place and cause using conjunctions (e.g. when, before, after, while, so, because), adverbs (then, next, soon, therefore) or prepositions (before, during, after, in, because of)
- Begin to vary sentences by using fronted adverbials
- Use noun phrases by adding adjectives, nouns and prepositional phrases
- Use full stops, capital letters, exclamation marks and commas in lists mostly accurately
Sometimes organise paragraphs grouping similar content together but this may not be consistent
- Try to put ideas in a logical order
- Create simple settings, plots and characters in narratives
- Try to choose ideas and content matched to the purpose of the writing and make the general purpose of the writing clear
- Features of writing are generally appropriate to the task
- Make writing more detailed to interest the reader