



# YEAR 5

## AUTUMN 2024 CURRICULUM NEWSLETTER

For all the essential information about what we will learn during the Autumn Term.

### English

Work will be linked to our topic on America. The children's writing will be based around two books and they will practise previous skills and master these through writing for different purposes e.g. diary writing. These skills include:

- Using fronted adverbials
- Organising paragraphs around a theme
- Using expanded noun phrases
- identifying and writing to a given audience and purpose
- Using commas to clarify meaning and avoid ambiguity
- Describing settings, characters and atmosphere
- Using inverted commas and other punctuation to punctuate direct speech
- Integrating dialogue and advance the action
- The study of grammar, punctuation, handwriting and spelling will be ongoing.

Guided Reading: Street Child by Berlie Doherty

- Apply their growing knowledge of root words, prefixes and suffixes to understand the meaning of new words that they meet
- Recommending books that they have read to their peers
- Making comparisons within and across books
- 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
- Identifying how language, structure and presentation contribute to meaning
- Provide reasoned justifications for their views

### Mathematics

Number and Place Value

- Reading and writing numbers up to 100000; Roman Numerals to 1000; ordering numbers; continuing number sequences; understanding negative numbers in context; rounding to the nearest 10, 100, 1000, 10000

Mental and written methods for addition and subtraction

- Column addition and subtraction; rounding to approximate; solving problems

Mental and written methods for multiplication and division

- Short multiplication and division; long multiplication; understanding the effect of multiplying and dividing by 10, 100, 1000

The children will continue to work on their times tables recall and related division facts.

We will continue to practise arithmetic skills and basic mathematical skills daily.

### Computing

Cryptographers / Coding

- Know that private information that is to be shared needs to be encrypted
- Know that for passwords to be safe, they need to be difficult to guess / work out
- Know that semaphore is a means of sending a message
- Know that morse code is a means of communicating a message
- Know what encryption is and why some information needs encrypting

## Religious Education

How do Muslims follow Allah?

- Muslims believe they are all part of the Ummah
- Muslims follow the 5 pillars to show this commitment to Islam
- Muslims believe they can have peace with God through the 5 pillars and Achlaq
- The Hajj is an important part of a Muslims life because they visit the birthplace of the prophet Muhammed (pbuh)

What do Christians believe about the meaning of Christmas?

- The Christmas Story is recorded in the Gospels of Matthew and Luke in the New Testament
- Christmas is a celebration of the birth of God's son the Messiah.
- Christians believe Jesus coming as a Saviour is a very important part of their belief in God as rescuer
- Joseph and Mary with Jesus had to escape Herod by travelling to Egypt. Jesus was a refugee
- Christian's Christmas practices are linked to the nativity story, e'g giving gifts, Advent wreaths, Nativity plays/scenes

## Design Technology

Mechanical systems - cams

- Select from and use a range of tools and equipment to make products that are accurately assembled and well finished
- Work within the constraints of time, resources and cost
- Test products with the intended user, where safe and practical, and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose
- Understand that mechanical systems have an input, process and an output
- Understand how cams can be used to produce different types of movement and change the direction of movement

## Physical Education

Invasion games - Tag Rugby

- Refine passing and moving to create attacking opportunities
- Explore different passes that can be used to outwit defenders
- Refine defending as a team
- Create and apply defending tactics
- Develop officiating

Gymnastics

- Introduction to counter balance
- Application of counter balance learning onto apparatus
- Sequence formation
- Counter tension
- Sequence completion

## Music

Composition Notation

- Know that simple pictures can be used to represent the structure (organisation) of music
- Understand that a slow tempo and a minor key (pitch) can be used to make music sound sad
- Understand that in written staff notation, notes can go on or between lines, and that the lines show the pitch of the note

Blues

- Understand that a chord is the layering of several pitches played at the same time
- Know that 12-bar Blues is a sequence of 12 bars of music, made up of three different chords
- Know that 'blues' music aims to share feelings and blues songs tend to be about sadness or worry
- Know that a 'bent note' is a note that varies in its pitch, e.g. the pitch may slide up or down
- Understand that a chord is the layering of several pitches played at the same time

## Science

### Living things and habitats

- Know that as part of their life cycle, plants and animals reproduce. Most animals reproduce sexually
- Know that animals, including humans, have offspring which grow into adults. In humans and some animals, these offspring will be born live, such as babies or kittens, and then grow into adults
- Know that in other animals, such as chickens or snakes, there may be eggs laid that hatch to young which then grow to adults. Some young undergo a further change before becoming adults e.g. caterpillars to butterflies. This is called a metamorphosis
- Know that plants reproduce both sexually and asexually. Bulbs, tubers, runners and plantlets are examples of asexual plant reproduction which involves only one parent. Gardeners may force plants to reproduce asexually by taking cuttings
- Know that sexual reproduction occurs through pollination, usually involving wind or insects

### Forces

- Know that a force causes an object to start moving, stop moving, speed up, slow down or change direction. Gravity is a force that acts at a distance. Everything is pulled to the Earth by gravity. This causes unsupported objects to fall
- Know that air resistance, water resistance and friction are contact forces that act between moving surfaces. The object may be moving through the air or water, or the air and water may be moving over a stationary object
- Know that a mechanism is a device that allows a small force to be increased to a larger force. The pay back is that it requires a greater movement
- Know that the small force moves a long distance and the resulting large force moves a small distance, e.g. a crowbar or bottle top remover

## Geography

### North and South America/Time zones

- Know and name some countries in North and South America
- Know correct geographical language to describe human and physical features and land use (settlements, road links, farming, mountains, rivers)
- Know where the lines of latitude and longitude are, where the equator is and where the tropics of Cancer and Capricorn are
- Know that there are and locate the Northern and Southern hemispheres
- Know there are different time zones and that Washington DC is 5 hours behind London time

## Modern Foreign Languages

- Writing words, phrases and a few sentences using a modelled example
- Reading and understanding some French words and phrases
- Recognising and describing aspects of French culture

## Personal, Social, Health & Relationships Education

- Recognise which situations are risky
- Explore and share their views about decision making when faced with a risky situation
- Suggest what someone should do when faced with a risky situation
- Identify risk factors in a given situation and consider outcomes of risk taking in this situation, including emotional risks
- Understand ways in which medicines can be helpful or harmful and used safely or unsafely
- Define some key qualities of friendship;
- Demonstrate strategies to deal with both face-to-face and online bullying

## Art

### Painting

- Research and collect information about two significant artists and their work - Romero Britto and Andy Warhol
- Using ink, crayons and oil pastels for resist
- Experiment with colours in the style of their work
- Develop textures and layers, using zentangle

## PE and Forest School

- PE Days are Wednesday and Friday
- No Forest School this term

## Learning Beyond The Classroom

- Xplore Science Museum trip

## Useful Websites

- [www.spag.com](http://www.spag.com)
- [www.simonsingh.net/The\\_Black\\_Chamber/caesar](http://www.simonsingh.net/The_Black_Chamber/caesar)
- [www.mathsbot.com](http://www.mathsbot.com)
- [www.whiterosemaths.com/homelearning](http://www.whiterosemaths.com/homelearning)
- [www.iseemaths.com/home-lessons](http://www.iseemaths.com/home-lessons)
- [www.mymaths.co.uk](http://www.mymaths.co.uk)
- [www.ttrockstars.com](http://www.ttrockstars.com)
- [www.bbcbitesize.com](http://www.bbcbitesize.com)

## Homework

- Homework is set on a Thursday
- Your child will receive Maths and English in the CGP workbooks and spellings tasks
- It is due back to school on a Tuesday where it will be marked
- Your child is expected to read 3 times each week

## Upcoming dates:

- 6th September: Club bookings go live at 1pm on School Spider
- 8th October: Flu Vaccination
- 25th October: INSET Day (School closed to pupils)
- 28th October - 3rd November: School Holidays
- 21st November: Pupil Photographs

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