



### Mathematics

#### Year 3

Multiplication and division unit is important because it develops children's multiplicative and divisive reasoning by linking their prior knowledge to 2-digit calculations which involve the expanded method and partitioning to divide. Moving on, they will be introduced to the expanded method for multiplication and the partition method for dividing (leading to remainders). Children will also explore the unit of money.

#### Year 4

This term the children will continue their learning about multiplication and division and will be learning to use formal methods. They will also be building on last term's learning about perimeter and will move onto calculating area of rectangles and squares.

### PE

In this unit, the children will develop and apply their dynamic balance on a line and ball skills through focused skill development sessions, healthy competition, cooperative games and Personal Best challenges. Children will continue with their swimming lessons this term and develop their already gained knowledge and skills.

### Computing

We will act as musicians in our ICT lessons next term. We will be using garage band to create our own pieces of music and then to perform them.

### Curriculum enrichment

Watercolours, Chess Club,, origami,, story club, gymnastics, Violin/guitar lessons, Rocksteady, Football, Hot shots, Graduate Programme, Swimming lessons, Singing assemblies

### English

The children will start the term with a poetry unit. They will be exploring The Roman Centurion's Song by Rudyard Kipling and using this poem and others as inspiration for writing their own cinquains about the life of a Roman soldier.

In our English lessons this term, we will be exploring explanation texts. We will look at the structure, vocabulary and key aspects of explanation texts whilst building on strengthening our sentence structure and accurate ue punctuation.

### Science

This term the children will be investigating the different states of water and the part that changes of state play in the water cycle. They will set up simple practical enquiries, comparative and fair tests. Then use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.

### RE

In Spring term 1, we will be learning to identify when it is easy and difficult to show friendship and to explore when Jesus may have found it difficult.

### PSHE

This term the children will be learning about ways they can look after their mental health. They will learn why mental health is so important and explore ways they can make themselves happy.

### Topic

This term children will explore the term census and religions in their local area. To promote diversity within our community, children will learn about and have a deeper understanding of religions within in their locality and explore their customs and traditions.

### Brainboost

Brainboost will have 2 focuses this term. The first will be handwriting and the second the graduate programme. We will be following our kinetic letters scheme to encourage correct letter formation and joining, with the children also having the opportunity to study for their graduate tests.

### Wow week

In the Spring term 1, children will learn about a variety of electrical components, and they will have a go at creating their own electric game.

### How can you help at home?

Please encourage your children to:

- read daily,
- learn their spelling words,
- practice their assigned multiplication tables,
- complete some of the healthy passport activities for fun.
- Encourage children to access MyMaths and TT Rockstars



## Spring 1 Year 3 and 4 Vocabulary overview

### Maths Year 3

Multiplication, division, greater than, less than, equal, remainder, share, partition, tens (10s), ones (1s), exchange, pounds (£) and pence (p), convert, total, difference, change

### Year 4

multiplication (×), multiplication statement, grouping, groups, equal, total, repeated addition, correspondence, multiply, divide, combinations, divide (÷), division statement, times-tables, whole, left over, remainder, two-step, multi-step, array, bar model, part-whole model, area, space, inside, units, rows

### English

Cinquain, line, verse, alliteration, simile, nouns, adjectives, adverbs and verbs, hyperbole

heading, subheading, technical terminology, subordinate clause, conjunctions, fronted adverbials, single clause sentence

### Topic

Diwali, festival, festival of lights, Islam, Ramadan, Eid, dawn, sunset, suhoor, iftar, Grand Iftar, community, Allah, Muslim, Seva, Sikhism, selflessness, voluntary service, population, data

### Computing

**Percussion:** sounds made by hitting an object

**Piano loop:** a repeating group of sounds played by a piano

**Sample:** a short, recorded piece of digital audio, for example a hand clap or an individual note

**Tracks:** tool for combining and modifying music recorded, performed or created using other components of the program

**Tempo / bpm:** the beats per minute of a song or the tempo

**Live loops:** tool for creating and performing electronic, typically dance music, in which multiple samples are played with synchronisation managed by the software

### Science

boiling point, boiling, condensing, evaporation, freezing, freezing point, gas, liquid, matter, material, melting, melting point, solid, temperature, thermometer, water cycle

### Wow week

Electrical components, battery, conductors, insulators, wires, switch, light bulbs

### Brainboost

Note-taking, concept maps, resilience, key information.

### PE

Jumping, landing, seated, balance, challenge, take off, combinations, competitive, swimming, gymnastics, routine, straight, posture, ball skills, passing, rolling

### RE

Friend, friendship, good/bad, value- various emotions, Children's Bible, Jesus, Zacchaeus, Storm, Luke, Mary, Martha, Lazarus, difficult

### PSHE

express, fashion, choice, preference, likes, dislikes, sports, music, disability, respect, accept, appreciate, respect, relationship, friend, teacher, sibling, parent, elder, authority, responsibility, earn, receive, demonstrate, rude, courtesy, mental health, feelings, emotions, network, hand, talking therapy, support, empathy, community, neighbours, belong, positive, actions, well-being, 'feel good', charity, service, volunteer, Mental health, mental well-being, calm, rested, happy, content, relaxed

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