



Year 3: Knowledge Organiser: Spring Term: Our world

The Big Finish: To complete our learning during the Spring term– we will be making our own globes and turning these into maps.



Science: Food and our bodies

Key Skills/knowledge:

- ✓ find out about healthy and balanced diets
- ✓ compare the diets of different animals
- ✓ describe how different food groups affect our bodies
- ✓ look at how joints and muscles help us to move
- ✓ be able to describe what is seen
- ✓ be able to ask questions about what is observed
- ✓ be able to answer questions using observations

Key Vocabulary:

nutrition, protein, carbohydrates, fat, fibre

sugars, minerals, vitamins, nutrients, water

skeleton, bones, skull, ribs, spine, muscles

joints, support, protect, move

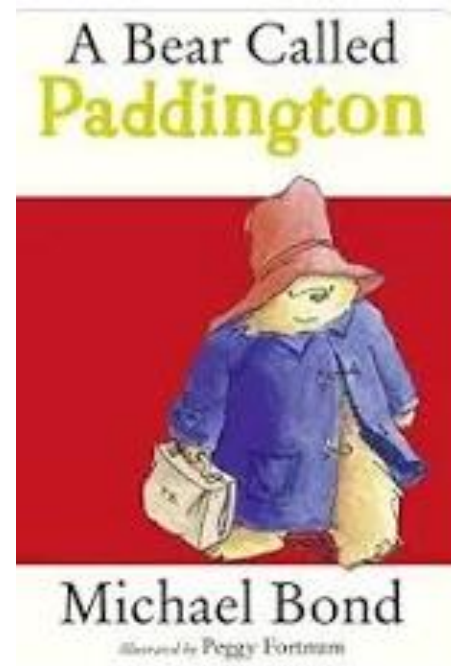
Key Book this term:

Guided Reading: A bear called Paddington

Key Skills/knowledge:

- ✓ make predictions the meanings about a text
- ✓ look at the meaning of new vocabulary the author has used
- ✓ retrieve information from a text– be detectives and find the answers in the writing
- ✓ answer inference questions, where we have to make our own decisions about what the author is trying to tell us

Key Vocabulary: predict, summarise, infer, stowaway, calamity



Try at home



and add to Seesaw

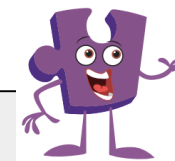
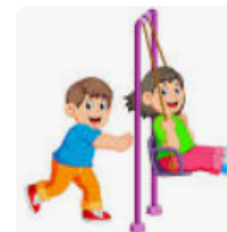


Quick teaser

How many London underground stations can you name?



Let's think like scientists
Which force is being used here?



PSHE/RSE:

Jigsaw: Dreams and goals

Dreams and ambitions, tackling new challenges

Key Vocabulary:

Perseverance, Challenges, Success, Obstacles
Dreams, Goals

Jigsaw: Healthy me

Being fit and healthy, staying safe

Key Vocabulary:

Oxygen, Energy, Calories/ Kilojoules, Heartbeat
Lungs, Heart, Fitness



Can you name different objects around you that are magnetic?

History: The Bronze Age and the Iron Age.

Key Skills/knowledge:

- ✓ use common words and phrases relating to the passing of time
- ✓ understand historical concepts such as continuity and change, similarity and difference
- ✓ ask historically valid questions
- ✓ identify similarities and differences between ways of life in different periods understand some of the ways in which we find out about the past
- ✓ use sources to show they know and understand the past and suggest reasons why changes took place.

Key Vocabulary:

Bronze Age, Iron Age, settlements, impressive, smelting, bronze, hoard, ore, mould, period, status, beaker, archer, evidence, interpretations

Geography: Our World

Key Skills/knowledge:

- ✓ explain the relationship between globes and maps
- ✓ understand the significance of longitude and latitude
- ✓ describe day and night in relation to the Earth's rotation on its own axis

Key Vocabulary:

Latitude, longitude, The Equator, Northern Hemisphere, Southern Hemisphere, Tropics of Cancer and Capricorn

What is this and what period of history is it from?



Science: Forces and Magnets

Key Skills/knowledge:

- ✓ be able to explore different types of forces
- ✓ observe how magnets attract or repel each other and attract some materials and not others
- ✓ compare how things move on different surfaces.
- ✓ notice that some forces need contact between two objects, but magnetic forces can act at a distance

Key Vocabulary:

Push, pull, repel, attract, magnetic, non-magnetic, twist, strength, poles

Computing: Programming A

Key Skills/knowledge:

- ✓ explore a new programming environment
- ✓ identify commands that have an output
- ✓ recognise a sequence of commands can have an order

Key Vocabulary: sequence, command, attributes

Branching databases

Key Skills/knowledge:

- ✓ create questions using yes/no answers
- ✓ identify an attribute that is required to collect data
- ✓ create a branching database

Key Vocabulary: branching databases

Physical Education: Invasion games and gymnastics

Key Skills/knowledge:

- ✓ developing motor skills
- ✓ develop movement patterns
- ✓ use strategic knowledge commonly associated with invasion sports

Religious Education: Hinduism – Karma

Key Skills/knowledge:

- ✓ use religious terms to describe how 'Snakes and Ladders' represent some important Hindu beliefs
- ✓ talk about what karma means
- ✓ describe how Hindus do Sewa or acts of kindness and encourage others to do the same

Key Vocabulary: karma, Sewa, selfish, selfless

Religious Education: Sikhism

Key Skills/knowledge:

- ✓ make links between daily Hukamnama and how these words are connected to the lives of Sikhs
- ✓ express ideas about the meaning of Guru in poetry and art
- ✓ ask questions about having a meaning and purpose in life

Key Vocabulary: Hukamnama, Guru, Nanak,

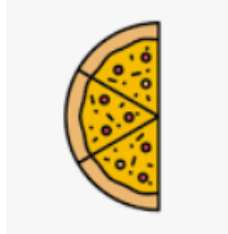
Mathematics:

Multiplication and division: The children will be counting in multiples of 10 then multiplying 2-digit numbers by 1 digit numbers with and without an exchange.

Length and perimeter: We will be measuring in millimetres, centimetres and metres and then combining measurements such as 1m and 30cm.



What fraction of the pizza is shown?



Fractions:

We will be exploring the denominators of fractions identifying how the denominator of a fraction shows how many equal parts that a whole has been divided into. This part of the unit will look at unit fractions firstly before moving onto non-unit fractions.

Mass and capacity:

In this unit, the children will learn how to use scales to determine the mass of an object and comparing mass of objects before moving on to measuring and comparing different capacities.

Multiplication and division–

groups of, multiply, divide, share
Length and perimeter– measure, millimetres, centimetres, metres

Fractions – unit fractions, numerator, denominator

Mass and capacity – mass, grams, kilograms, capacity, millilitres, litres

Art and Design Technology:

We will be investigating the works of and the artists Andy Warhol, Francis Bacon and Henry Matisse in this term's unit of collage.

Key Vocabulary:

Position, arrange, motion, torn, distortion, portrait, reworking, overworking, facial, adapt

Creating a shell structure

We will be designing and making our own shell structure using CAD (computer assisted design) to design a cereal box

Key vocabulary:

nets, design, evaluate, design criteria



How many 3D shapes can you name?

French: Mon corps and les animaux

Key Skills/knowledge:

- ✓ identify parts of the body
- ✓ name days of the week
- ✓ use character descriptions
- ✓ name animals and pets
- ✓ numbers 11–20
- ✓ describing someone

Listen to and sing along to
Jamming by Bob Marley

<https://www.youtube.com/watch?v=oFRbZJXjWIA>



Music: Three Little Birds by Bob Marley and The Dragon Song (about kindness, respect and friendship)

Key Skills/knowledge:

- ✓ Find the pulse when listening to music
- ✓ Clap to a rhythm
- ✓ Sing in two-parts
- ✓ Will be able to play on glockenspiel notes: A & G and G note on the recorder

Key Vocabulary: Keyboard, drums, bass, glockenspiel, pulse, rhythm, pitch, improvise, compose, perform, audience, melody, dynamics, tempo

English: SPaG

This term we will focus on the following spelling rules, use of punctuation and grammar rules

- ✓ correct use of nouns and pronouns
- ✓ understanding the use of consonant and vowels using a or an correctly
- ✓ adding the suffix -ly
- ✓ adding prefixes super-, anti-, auto-,
- ✓ use of apostrophe for possession and contracted words
- ✓ use of correct homophones

Play & learn spelling patterns
using fun games

<https://www.spellingplay.co.uk/interactive-resources>

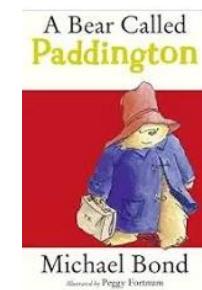


English Writing

Story writing looking at a Bear called Paddington

Information writing

Poetry and poems



Improving our writing:

- ✓ Using conjunctions
- ✓ Using adjectives
- ✓ Editing and improving

The Big Finish: To write our own Paddington story for another child and make into a book



Can you write some sentences using conjunctions– if, since, as, when, although, while, after, before, until, because

Spag: Using and understanding the terminology–

- Noun– a word that represents a person, thing, concept, or place
- Verb– a word used to describe an action, state, or occurrence
- Adverb–a word that modifies (describes) a verb (he sings loudly), an adjective (very tall), another adverb (ended too quickly), or even a whole sentence (Fortunately, I had brought an umbrella).
- Adjective– a word that describes a noun or noun phrase for example, red, sweet
- Subordinate conjunctions – linking a main clause (one that makes sense on it's own) to a subordinate clause (one that does not make sense on its own e.g. (The chicks played a game **while** their mother was sleeping)
- Past and present tense– The present represents actions happening now, while the past represents actions that happened earlier using present perfect and simple past