

# Science



The National Curriculum for Science is:

## Autumn One

### Animals including humans

- identify and name the main parts of the human circulatory system, and describe the functions of the heart
- recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function

## Autumn Two

### Uses of Everyday Materials

- recognise the materials that we use to make things (including wood, metal, plastic, glass, brick, rock, paper and cardboard)
- know how the objects made from some materials can change shape (by squashing, bending, twisting and stretching)

## Spring One

Pre experience

Light/ Electricity

## Spring Two

### Plants

- know what plants grow from (observe and describe how seeds and bulbs grow into mature plants)
- understand what plants need to grow and stay healthy (find out and describe how plants need water, light and a suitable temperature to grow and stay healthy)

## Summer One

### Animals and their habitats

- describe how living things are classified
- give reasons for classifying plants and animals based
- (Explain why animals live in different habitats)

## Summer Two

### Apply & Consolidate

# Year 2

## English

English is broken down into the following areas:

- Spoken Language
- Reading
- Spelling (sent home weekly)
- Handwriting and Presentation
- Writing
- Vocabulary, grammar & punctuation

\*To develop the children's understanding of the above we will be studying the following books:

### Autumn One

- Transition Unit- Lost and Found by Oliver Jeffers
- Instructions- Rascally Cake by Jeanne Willis and Korky Paul
- Yeti and the bird by Nina Shireen

### Autumn Two

- The Gigantic Turnip
- Flanders Field
- The Conquerors by David McKee
- Silly Stuff Mustard, Custard Grumble belly and Gravy

### Spring One

- Different Stories by Julia Donaldson
- Craft Books/ How to make puppets
- Non-Chronological Texts -Wolves

### Spring Two

- Explanations -Tadpole's Promise
- Traditional Tales- The Pea and the Princess Mini Grey
- Recount - Trip to Horniman Museum
- Non-chronological report Information Texts - Animals

### Summer One

- You're a Bad Man Mr Gum by Andy Stanton and The Twits by Roald Dahl
- Poetry- The Aliens have landed at our school by Ken Nesbitt

### Summer Two

- Patterns on the page- Flicker Flash
- Information- Great Fire of London
- Jim and the Beanstalk by Raymond Briggs
- Transition Unit- Burglar Bill by Ahlbergs

## Mathematics

Mathematics is broken down into the following Learning Objectives for Year 2:

- Count forwards and backwards, count in 2s, 5s and 10s from any number; read and write numbers in numerals and words
- Compare and order numbers to 100; identify the value of the digits; partition into tens and ones and tens and 'teens'
- Construct and recall number bonds for 1- digit numbers to 9 + 9 and related subtraction facts; apply to multiples of 10; add and subtract one/ two-digit numbers
- Interpret arrays and carry out repeated addition and sharing calculations; read and record multiplication and division number sentences; recall and use multiplication facts for 2, 3, 5 and 10; read, write and find halves, thirds, quarters of shapes, quantities and lengths
- Use appropriate standard units to measure; read values on a scale to nearest interval including time to nearest 5 minutes; order lengths, weights, capacities; make up sums of money, record amounts using £ or p
- Name, identify common 2-D and 3-D shapes in different orientations, and describe and use their properties; describe position, direction and movement, relating right-angle turns to quarter turns

## Physical Education

### Autumn

Gymnastics  
Games-Football

### Spring

Dance  
Games – Target Work

### Summer

Games-Attack/Defence  
Athletics

## Computing

Pupils will be taught to:

- understand what algorithms are
- create and debug simple programs
- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- select, use and combine a variety of software
- use technology safely, respectfully and responsibly

## History / Geography

History and Geography will be studied alternately.



### Autumn

History – How did Florence Nightingale & Mary Seacole help in the Crimean War?  
Geography – Towns and Cities in the UK

### Spring

History – The Suffragettes  
Geography – Where would we prefer to live England or Africa?

### Summer

History – The Great Fire of London  
Geography – Why do we like to be beside the seaside?

## Art/DT

### Autumn

Sculpture – Clay tiles linked to sea creatures  
Food Technology – Can we create a healthy snack on a stick?



### Spring

Tiger Surprised – Painting  
Freestanding Structures - Can we create a safe home for a pet?

### Summer

Our Local Area – Print making  
Moving Mechanisms – How can we move part of a picture using a lever or slider?

## Music

Pupils will be taught to:

- To develop skill in maintaining a steady pulse and to recognise and demonstrate
- the difference between 'the beat' and 'the rhythm'.
- To become familiar with high and low sounds and to demonstrate this awareness using body actions.
- To develop performance skill – 'telling the story of the text'.
- To develop an in-tune singing voice and confidence.



## R.E.

- Through the study of the major world religions children will learn to:
- Understand the beliefs of the major world religions
- Understand why and how special celebrations occur within major world religions.
- Be able to relate their own experiences to major world religions.