

### English

#### Reading and Writing:

Children will be exposed to a range of texts and grammatical structures to support their writing of: poetry (descriptive phrases), narratives (set in familiar places), fables, biographies (of real people), letters and play-scripts.

#### Speaking and Listening:

Children will be taught and given opportunities to practise speaking and listening skills to enable them to: make relevant comments and ask questions in a discussion, respectfully challenge differing opinions and initiate discussions.

### Maths

Every year group teaches the different areas of maths: number, fractions, algebra, measures, statistics shape and position (including how to use & apply these skills). In addition they have weekly focuses on arithmetic including adding & subtracting &  $\times$  tables.

#### Key learning in year 4 includes to:

- use negative numbers and Roman numerals
- + - 4-digit numbers using formal methods & within multi-step problems
- $\times$  2/3 digit numbers using formal written method
- be fluent with all tables up to  $12\times$
- recognise fraction and decimal equivalence up to hundredths, round and compare numbers with up to 2 decimal places
- solve problems (+ -  $\times$   $\div$ ) involving missing numbers
- identify acute and obtuse angles, lines of symmetry, co-ordinates and translations.
- calculate area & perimeter, convert between measures
- interpret and present discrete and continuous data.

### Science

Children will be developing their working scientifically skills through investigating:

- **Animals and humans** (Skeletons, muscles, digestive system, teeth, food chains, classification, changes to environments and adaptations)
- **States of Matter** (Evaporation and condensation in the water cycle)
- **Light & seeing** (Movement of the sun, shadows, darkness)
- **Sound & hearing** (Associate pitch and volume of sounds with vibrations)
- **Circuits** (Lighting lamps using a switch, identify conductors and insulators, use symbols to draw a circuit)

### Computing

In Phase 2, children will develop their understanding in three areas: Computer Science, Digital Literacy (including e-safety) and Information Technology.

#### Key skills include to:

- write code that uses an 'if' statement
- know that some things you say, do and publish online are public and permanent
- plan and make short films made up of several scenes.
- enter data & use simple formulae in spreadsheets
- record and edit audio, combining soundtracks layering for effect.

### Art and Design

Children will be developing their knowledge of a range of artists and designers to help them to develop their own skills in:

- **Collage** (Use coiling, tessellation, mosaic and montage)
- **Printing** (Build up layers of colour, make printing blocks and repeating patterns)
- **Textiles** (Back and cross stitch, colour fabric, create weavings.)

### Design and Technology

Children will mimic designer tasks to develop and evaluate products with a focus on:

- **Food technology** (prepare a variety of savoury dishes, understand seasonality)
- **Woodwork** (suitable techniques to construct and strengthen products, cut and measure accurately)
- **Mechanics** (use levers, pulleys and gears)

### Music

Children will be immersed throughout the year in a range of genres of music to develop their knowledge and enjoyment of a variety of music styles. They will:

- Perform songs weekly in assemblies, showing control of voice and pride
- Compose their own music using digital technology as well as untuned instruments)
- Recognise basic musical notation and vocabulary (crotchet, minim, timbre, beat, tempo, texture)

### UPH

In Year 4, children will:

- Develop their throwing, catching, striking, running and jumping skills
- Play competitive games in a number of modified sports
- Perform gymnastics & dance sequences travelling in different ways including flight
- Engage in outdoor & adventurous activities

### History

Children will develop their historical enquiry by finding out about:

- The Roman Empire and its impact on Britain - followed with a shorter unit on Britain's settlement by Anglo-Saxons and Scots.
- A local history study

### Geography

Children will develop their geographical enquiry skills through learning about:

- Counties and cities of the UK
- Rivers & the water cycle
- 4-figure grid references
- Geographical similarities and differences between countries

### RE

Each year children will learn about a religion within the context of world religions and beliefs.

#### Year 4 focus - Hinduism:

- Its key teachings and practices
- How these relate to their own ideas as well as those of other people

### MFL

Lark Hall children will be exposed to and subsequently learn Spanish.

They will follow a scheme of work that gradually develops their ability to speak, listen, read and write in the language.

This will include games, songs, role-play and other activities.