

### English

#### Reading and Writing:

Children will be exposed to a variety of texts and grammatical structures to develop their understanding of and ability to write: Poetic Forms (Haiku), Newspaper Reports, Instructions (with humour), cohesive Formal Letters and Persuasive arguments as well as Quest Stories (with dialogue). They will show the full range of punctuation,

#### Speaking and Listening:

Children will use dramatic techniques to effectively take part in formal debates, discussions, presentations and performances.

### 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 6 includes to:

- use negative numbers in context
- solve multi-step word problems with  $+$   $-$   $\times$   $\div$
- $\times$   $\div$  4 digit numbers by 2 digit numbers including decimals with formal written method
- understand the order of operations
- $+$   $-$   $\times$   $\div$  fractions (mixed and improper), calculate percentages and use ratios
- use algebra to find unknown numbers
- build 3-d shapes, draw and name parts of a circle
- find missing angles including those vertically opposite
- draw, translate and reflect shapes, using coordinates
- calculate volume & capacity and area of triangles
- interpret and construct line and pie charts

### Science

Children will be developing their working scientifically skills through investigating:

**Evolution and Living Things** (Variation in offspring, adaptations and changes in skeletons and fossils)

**Electricity** (Impact of voltage on functions of components)

**Light and Seeing** (Straight lines, reflections, predicting shadows)

**Forces** (Transferring through gears, pulleys, levers and springs)

### Computing

In Phase 3, children will develop their understanding in three areas: Computer Science, Digital Literacy (including e-safety) and Information Technology.

#### Key skills include:

- To use diagrams to help design and explain programs
- To know how to report hurtful or harmful material including extremist ideologies
- To make independent choices about the best technology to use to communicate and present ideas to a specific audience
- To use email effectively and how to deal with spam

### 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** (Combine materials and textures for a particular effect)
- **Printing** (Accurate patterns showing fine detail, range of visual elements)

### Design and Technology

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

- **Food technology** (Prepare a range of healthy savoury dishes using seasonal ingredients)
- **Woodwork** (Refine the finish after cutting, create products including electrical systems and coding)
- **Mechanics** (use levers, pulleys and gears within products)

### 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 pitch, expression and accuracy
- Compose, edit and refine their own music by using digital technology
- Recognise and use time signatures and understand the notes on the musical staff (EGBDF, FACE)

### UPH

In Year 6, children will:

- Choose and combine techniques in competitive game situations using appropriate tactics
- Perform complex and well-executed gymnastics & dance routines with a full range of movements
- Overcome challenges and difficulties within a range of OAA

### History

Children will develop their historical enquiry by finding out about:

- An in depth local area study (e.g. London at War)
- Changes in Britain from the Stone Age to the Iron Age
- A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066

### Geography

Children will develop their geographical enquiry skills through learning about:

- Human and physical features in the local area
- Different geographical representations of an area
- Similarities and differences between countries including diversity and interdependence
- Creating maps of locations

### RE

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

#### Year 6 focus - Buddhism:

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

### MFL

Lark Hall children 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.