

## English

- Predict what might happen next.
- Summarise what has been read.
- Identify and discuss themes in reading.
- Discuss and evaluate how authors use language and how it impacts on the reader.
- Draw inferences about characters' feelings, thoughts, emotions and actions.
- Plan and write in the role of a character to express their thoughts and feelings.
- Retrieve and record information from a text.
- Plan writing by discussing similar written examples learning from its structure, vocabulary and grammar
- Draft and write an explanation text.
- Write for different purposes and audiences.

## Science

- Identify different forces acting on objects.
- Observe what air resistance does to moving objects.
- Investigate what water resistance is.
- Identify what variables can be controlled in a science experiment.
- Identify independent, dependent and controlled variables.
- Plan an investigation and evaluate the results.
- Investigate the effects of weight and mass and how it is measured.

## Year 5 Autumn 1

### Computing

- Describe the input, process, and output of a digital system.
- Identify tasks that are managed by computer systems and the human elements of a computer system.
- Recognise the role of web crawlers in creating an index.
- Explain that a search engine follows rules to rank results.
- Describe some of the ways that search results can be influenced.

### PSHE

- Understand our rights and responsibilities as citizens.
- Explain how a democracy works in our school and country.
- Understand and discuss how our actions affect ourselves and others around us.

### Music

- Whole class cornet

### Physical Education

- Tag Rugby: Rules and regulations; passing communication, tactics, defending, attacking.
- Gymnastics: Know how to travel safely around a space; identify and show a range of bridges.

## Maths

- Understand place value of 4, 5 and 6-digit numbers.
- Order and compare numbers up to 5-digits.
- Round 5- and 6-digit numbers.
- Add and subtract large numbers mentally.
- Add and subtract whole numbers with more than 4 digits using formal written methods.
- Use a range of calculation strategies, such as round and adjust.
- Solve addition and subtraction multi-step problems in contexts.
- Interpret line graphs and timetables.

### RE

- Describe the similarities and differences in beliefs about God held by Christians, Hindus and Muslims.
- Explain the Hindu belief in Brahman and how it is expressed through the Trimurti.
- Outline a Christian understanding of what God is like, using examples.
- Express thoughtful ideas about the impact of believing or not believing in God on someone's life.

### Geography

- Locate the key physical and human characteristics of the Alps.
- Understand the human and physical geography of the Alps.
- Describe the physical and human features of an Alpine region.
- Investigate what there is to do in the local area using data collection.
- Understand similarities and differences between the local area and an Alpine area.