

## Literacy

**Book:** *Voices in the Park* by Anthony Browne

### **National Curriculum**

- Understanding what is being read by predicting and using inference.
- Plan writing for audience and purpose.
- write using appropriate form
- Choose appropriate grammar and vocabulary.
- Edit work for spelling and punctuation errors, grammar and vocabulary.

### **Key Skills:**

- Learning about the active and passive voice.
- Writing for different characters' points of views..
- Analysis of a book and writing a book review.

## PSHE

**Topic:** *Communication*

### **Key Skills:**

- Learn how to communicate and ensure that confidentiality plays an important role in communication.
- Understanding the

importance of listening and the role of the listener when communicating.

- Understanding the importance of speaking and listening and know when each role is appropriate.

## Computing

**Topic:** *Coding*

### **National curriculum:**

- Design, write and debug programs that accomplish specific goals.
- Use sequence, selection and repetition in programs.

- Use logical reasoning to explain how simple algorithms work and correct errors.

### **Key skills:**

- Children create a game which has a timer and a score pad.
- Children use sketching to design a program.

## Science

**Topic:** *Materials*

### **National Curriculum**

- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations
- recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.

### **Key Skills**

- compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- demonstrate that dissolving, mixing and changes of state are reversible changes
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.
- taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

## Maths

Topics: *Fractions, Decimals & Percentages*

### **National Curriculum:**

- Equivalent fractions.
- Fractions greater than 1.
- Improper fractions to mixed numbers and mixed numbers to improper fractions.
- Compare and order fractions less than and more than one.
- Addition and subtraction of fractions.
- Multiplication of fractions by integers.
- Calculation of fractions of a quantity.
- Decimals up to 2 decimal places.
- Decimals as fractions.
- Understand thousandths as decimals.
- Rounding decimals.
- Order and compare decimals.
- Understand percentages as decimals and fractions
- Equivalent fractions, decimals and percentages.

### **Key skills:**

- Practical ways of exploring fractions of a whole.
- Problem solving using fractions.
- Using manipulatives to understand fractions.
- Creating pictorial representations of fractions.

## SPRING TERM 2

### Year 5

2020/21

## Humanities (Geography)

**Topic:** *Extreme Earth.*

### **National Curriculum:**

- Using maps to locate world's countries and their environmental regions.
- Describe and understand climate zones, biomes, mountains and water cycles.

### **Key Skills:**

- Describe and understand the key aspects of physical geography including volcanoes and earthquakes.
- Extreme weather conditions such as tornadoes, storms, cyclones.
- Earthquakes – the Richter Scale, tectonic plates
- Volcanoes – what causes them to erupt.
- Tsunamis – recognising the early signs of a pending tsunami.

## PE

**Topic:**

**Invasion games (continued)**

### **Key Skills:**

- Play competitive games and apply attacking and defending rules.
- Develop strength, flexibility, balance and control.

### **Ideas:**

- Learn Tag Rugby skills
- Use skills in a competitive game.

## lvrit

**Topic:** *Pets*

### **National Curriculum:**

Speak in sentences, using familiar vocabulary, phrases and basic language structures.

Engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help.

Read carefully and show understanding of words, phrases and simple writing.

Understand basic grammar appropriate to the language being studied.

Broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary.

### **Key Skills:**

- Read aloud and understand a short text containing mostly familiar language, using fairly accurate pronunciation.
- Take part in conversations and express simple opinions giving reasons.
- Gain an overall understanding of an extended spoken text which includes some familiar spoken language.
- Write phrases and some simple sentences from memory and write a short text with support from a word / phrase bank.
- Use a wide range of adjectives to describe people and things.