

# Fairgrounds



## English

In English we will be looking at:

- Narrative Writing - Kensuke's Kingdom by Michael Morpurgo
- Persuasive Writing - visitor leaflets for fairgrounds

## Maths

- use common factors to simplify fractions; use common multiples to express fractions in the same denomination
- compare and order fractions, including fractions  $> 1$
- add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
- multiply simple pairs of proper fractions, writing the answer in its simplest form [for example,  $1/4 \times 1/2 = 1/8$ ]
- divide proper fractions by whole numbers [for example,  $1/3 \div 2 = 1/6$ ]
- add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- use their knowledge of the order of operations to carry out calculations involving the four operations use written division methods in cases where the answer has up to two decimal places
- identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to three decimal places
- associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example,  $3/8$ ]
- use written division methods in cases where the answer has up to two decimal places
- multiply one-digit numbers with up to two decimal places by whole numbers
- solve problems that require answers to be rounded to specified degrees of accuracy
- recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
- solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
- multiply simple pairs of proper fractions, writing the answer in its simplest form [for example,  $1/4 \times 1/2 = 1/8$ ]
- multiply one-digit numbers with up to two decimal places by whole numbers compare and order fractions, including fractions  $> 1$
- solve problems that require answers to be rounded to specified degrees of accuracy
- solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison

Welcome back to the Spring term. Our new IPC unit for this term is Fairgrounds. During this unit we will be looking at how light travels and how electrical circuits are made. We will also have the opportunity to design and create our own fairground attractions using our learning.

## Class Information

Year 6 will need their PE kits on a **Monday** and a **Wednesday**.  
Spelling rules will be given on a Monday to practise for Friday.  
Timestable Rockstar homework will be set on a Monday for completion by Friday.

The children will be receiving new reading books early in the term as part of the accelerated reader scheme.

Many Thanks

Mr Hawksworth

### **In Technology we will:**

- Know that technology affects people's lives
- Know how the lives of people in our country are affected by the extent of technological advance
- Be able to respond to identified needs, wants and opportunities with informed designs and products
- Be able to gather and use information to suggest solutions to problems
- Be able to devise and use step-by-step plans
- Be able to consider the needs of users when designing and making
- Be able to select the most appropriate available tools and materials for a task
- Be able to work with a variety of tools and materials with some accuracy
- Be able to test and evaluate their own work and improve on it
- Be able to investigate the way in which simple products in everyday use are designed and made and how they work
- Be able to evaluate the effectiveness of simple products in everyday use
- Understand the need for accurate design and working
- Understand the ways in which technology can be used to meet needs, wants and opportunities
- Understand that different techniques, tools and materials are needed for different tasks
- Understand that the quality of a product depends on how well it is made and how well it meets its intended purpose

### **In RE we will learn:**

- What is religion? What concepts do religions have in common?
- What do the gospel stories tell us about the birth of Jesus?

### **In computing we will be learning about:**

- Crazy Coding - Children will use Python to create a game. They will also learn about code, execute common commands and type and debug code.
- Stocks and Shares - children will analyse data, make informed choices and present and critique decisions.

### **In PE we will be learning about:**

- Masquerade - Tudor dancing focussing on performance, style, patterns, timing and gestures.
- Hockey - 4vs 4 invasion games which involve attacking, defending, passing and shooting.
- Basketball - shooting, layups, attacking, defending and using open spaces.

### **In French we will be learning about:**

- In France (Bridge of Avignon, French food, where in France?, In Paris, they speak French).
- Family (My family, Describing your family, household tasks, family weekend, birthday parties).

### **In P.S.H.E we will be learning about:**

- Dreams and Goals

### **In Science we will**

- Know that the study of science is concerned with investigating and understanding the animate and inanimate world around them
- Be able to conduct scientific investigations posing scientific questions
- Be able to choose an appropriate way to investigate a scientific issue
- Be able to make systematic and accurate measurements from their observations
- Be able to explain and justify their predictions, investigations, findings and conclusions
- Be able to record and communicate their findings accurately using the most appropriate medium and the appropriate scientific vocabulary and conventions
- Be able to gather evidence from a variety of sources
- Be able to discriminate between evidence and opinion
- Understand the importance of using evidence to test scientific ideas
- Understand some of the effects of what they learn on people's lives
- Be able to represent electrical circuits in drawings using conventional symbols
- Be able to construct circuits on the basis of drawings using conventional symbols
- Be able to vary an electrical circuit to change its effect
- Know that light travels in a straight line until it strikes an object
- Know that light can be reflected, refracted or absorbed
- Know that light travels through some materials and not through others
- Know that we see things when light from them enters our eyes
- Know how sounds are changed by altering the nature and frequency of the vibrations
- Know that vibrations from sound sources travel through a medium to reach the ear
- Be able to identify the effects and uses of light and sound

### **In International we will**

- Know about ways in which the lives of people in the countries they have studied affect each other
- Know about similarities and differences between the lives of people in different countries
- Be able to explain how the lives of people in one country or group are affected by the activities of other countries or groups
- Be able to identify ways in which people work together for mutual benefit