

## Creative Curriculum Theme - Scream Machine

### Science

- Identify the effects of different forces, including: air resistance, water resistance and friction.
- Explain how the force of gravity acts upon unsupported objects as they fall towards Earth.
- Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect

### Design and Technology

- Generate, design and develop our ideas for a fairground ride.
- Understand the use of mechanical systems in existing fairground rides.
- Select and use a wide range of tools to perform practical tasks.
- Evaluate the fairground ride against our own design criteria.

### Computing

- Use programming to design, write and debug simple programs using 'Purple Mash' coding.

### English

We will read: 'The Funfair of Fear' by Ian Ogilvy

- Draw upon reading and research to construct a knowledgeable balanced argument.
- Use a range of devices to build cohesion across paragraphs.
- 'Magpie' key vocabulary from the authors.
- Structure a discussion text, using an appropriate form and vocabulary.
- Retrieve, record and present information from non-fiction texts.

### Physical Activity

**PE:** Develop the skills needed for net and wall games. Build on existing gymnastic skills.

**Forest School:** Work as a team to achieve common goals and develop the forest school area.

### French

Discuss weekend plans and talk about what you have done at the weekend.

### Maths

- Add, subtract, multiply and divide decimals.
- Convert fractions to decimals.
- Recognise square numbers and cube numbers.
- Identify factors, multiples and common factors.
- Recognise prime numbers
- Solve real-life maths problems using all four operations and different measures.

### Music

- 5M will listen, with attention to detail and recall sounds associated with traditional fairground music.
- 5D will learn to play the guitar.

Staff:  
Miss Malin  
Mr Dando  
Mrs Sharon Hubbard



## Religious Education

Investigate and reflect on a range of religious responses to suffering, hardship and death

## Personal, Social, Health Education and Citizenship

Safety online and in the world around us, including health and hygiene.

## Homework

Children are required to complete at least one project each half term. You can choose how to present your project (photographs, models, written work or pictures). All of the projects are based around our topic 'Scream Machine' and have been chosen by the children. Please be as thorough as possible!

Create a fact file about your favourite roller coaster.

Design a poster to persuade people to visit your theme park.

Explain why people do not fall out of a roller coaster when it goes upside-down. Use MS Power Point or models to present your findings.

Research different materials used to make roller coasters. Did you know, some are made from wood?!

Create a 'Top Trumps' style game to compare roller coasters. You could include height, speed and scare factor.

Design your own roller coaster. Give it an exciting name and slogan.

Research how roller coasters work and how they are tested. Use MS Power Point or models to present your findings.

Research theme parks in different countries.

## Reading

Children are encouraged to read throughout the week (their chosen text from Accelerated Reader Programme). Home school link books must be brought in so that teachers can see the time they are spending reading at home.

In school, children will then be given a quiz on their chosen book so that class teacher's can see their understanding of the text.

## Times tables

Year 5 children are expected to be regularly practising their times tables (up to 12x12) and reviewing the spellings on the Year 5/6 spelling list.

