



Year 5 – Spring Term Curriculum Leaflet
Learning Project: Scream Machine
Subject Focus: Science



Memorable Experiences:

Virtual Rollercoaster Ride

PSHE

The Island – xenophobia, inclusion, tolerance, democracy, equality, human rights

Geography

Theme parks in the UK and overseas.

Signage

Theme park maps

Computing

Compare theme park websites

Research using iPad

Physical Education

Gymnastics

Dance

Tennis

Gym

English

- Poetry
- Short narrative with dialogue
- Signage and emails
- Adverts
- Non-fiction books

**Please visit the Y5 Curriculum page on the website for more detail.*

Maths

- Recognise mixed numbers and improper fractions
- Compare and order fractions whose denominators are of the same multiple
- Add and subtract fractions with same denominators and denominators that are of the same multiple
- Multiply proper fractions and mixed numbers by whole numbers
- Read and write decimal numbers as fractions
- Read, write, order and compare numbers with up to three decimal places.
- Round decimals to the nearest whole number

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Science: Forces, properties of everyday materials, mechanisms and working scientifically.

- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.
- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate

Art and Design Technology

Photography and image editing

Ride design

Programming models

Mechanical systems

Working models

Fred Fowle

Religious Education

Islam

Modern Foreign Languages

Conversational French

