

## Literacy:

We will be reading *The Boy who swam with Piranhas* by David Almond. This will include a range of areas to study including...

- Researching shipyards and funfairs which make up the background of the story.
- Having debates on different issues.
- Analysing characters and focussing on the author's use of language.
- We will be writing stories with a focus on dialogue.
- Themes throughout the story

## Project:

Roll up, roll up! We are going on a trip to a theme park to soak up the unique sites, smells and sounds of the fair. We will learn about the science behind roller coasters including forces. Year 5 engineers will build a death-defying new drop ride for a theme park.

Memorable Experience:

Visit to Paulton's Park to experience real life forces.

*Autumn 1*

Year 5



**Title: Scream Machine**

Other Learning Opportunities:

**PE and Games:** outdoor education , street dance

**Art:** landscape drawings,

Computing: using search engines with accuracy, using scratch to programme a rollercoaster sequence

**DT:** design their own roller coaster seat

Investigate gears

R.E We will be learning about Muslim beliefs focussing on Muhammad and the Qur'an.

**PSHE:** viewpoints, new beginnings

**SMSC:** circle time

## Maths:

In maths we will be learning to:

### Number

Compare numbers to at least 1,000,000 and say the value of each digit

### Addition and Subtraction

Solve multi-step addition and subtraction problems in contexts using a range of representations.

Decide which operation and method to use and why.

### Geometry

Identify 3-D shapes including cubes and other cuboids from 2-D representations (nets)

Know that angles are measured in degrees

Estimate and compare acute, obtuse and reflex angles.

Know that angles around a point (one complete turn) are equivalent to 360°.

### Measure

Measure and calculate the perimeter of composite shapes

## How can you help?

- Please listen to your child read and encourage them to learn their spellings and practise their times tables every week.
- Your child will also receive topic based homework with a choice of creative outcomes.
- In addition maths and literacy work will be sent home to compliment the learning in the classroom.

## Science:

Describe the force of gravity, what causes it and how the force of gravity changes. Build and test loop the loop designs to find the best speed and angle to complete a safe turn.

Investigate pulleys and levers