



Curriculum Information

Autumn 1 Year 5



Our topic this half term is 'Marvellous Mechanisms'.

Roll up, roll up! This half term, there's all the fun of the fair to experience! Soak up the unique sights, smells and sounds of a theme park. We will learn about the science behind roller coasters and investigate the mechanisms that make these marvellous machines work. In addition, we will explore the physical forces of friction, gravity and air resistance, and investigate them during exciting experiments.

As writers, we will be writing descriptive poems, creative descriptions, narratives, and persuasive advertisements.

As readers, we will read Philip Pullman's 'Clockwork' - a chilling tale of mechanisms gone mad!

In Maths, we will learn about reasoning with large whole numbers, addition, subtraction, line graphs and timetables.

In Science, we will find out about forces and mechanisms (gravity, friction, air & water resistance, levers, pulleys and gears).

In Computing, we will be using a Green Screen app to create an advert for a theme park and coding using Scratch.

In Design and Technology, we will be using cam mechanisms to create a moving theme park souvenir.

In Geography, we will be identifying the physical and human features of Florida.

In Languages, we will be speaking, listening and writing about school subjects.

In Music, we will be learning to play melodies on the cello and identify specific instruments within pieces of music.

In PSHE, we will learn about protective behaviours and keeping ourselves safe.

In PE, we will take part in team games (hockey) and outdoor adventurous activities.

In RE, we will learn about Hindu beliefs and pilgrimages.