Scream Machine

What will Theme Parks look like in 50 Years time?

Year 5

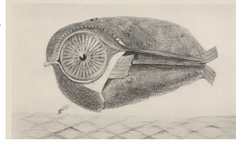
Summer 1 Curriculum Overview 2022-2023

As writers we will: develop our adventure writing skills using the book, "The Expolorer" by Kathrine Rundell by ensuring the consistent and correct use of tense throughout a piece of writing. Note and develop initial ideas, drawing on reading and research where necessary. Identify the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own. Use a wide range of devices to build cohesion within and across paragraphs. Proof-read to edit and improve.

As mathematicians, we will focus on geometry by:

- Identifying all types of angles including: acute, obtuse, right, straight line and reflex.
- Measuring angles in degrees and use a protractor to measure an angle.
- Drawing lines and angles accurately when given a measure.
- Knowing that angles on a straight line add up to 180 degrees to solve missing angles.
- Calculating angles around a point and solving missing angles in a range of shapes.
- Identifying and drawing parallel and perpendicular lines.
- Knowing the properties of regular and irregular properties of polygons.
- Solving reasoning problems about 3D shapes.

As Artists we will: look at the Frottage or rubbing technique made famous by artists such as Max Ernst. We will use our observational skills and learn about the use of line, shape, value and texture.



HPL links for this half term are::

April

May

This half-term we will:

Discover why people around the world are thrill seekers.

There is nothing better than heading to a theme park to go on your favourite rides, but why do people spend hours queuing up for a one minute ride? In this topic, we will investigate the reasons that theme park, rollercoasters and water parks are so popular. We will look at how our bodies react to fast travel and how people look to get an adrenaline boost from these rides. We will look at the history and future of roller coasters and study how much Science and Maths goes into planning and building a roller coaster.

As readers we will:

Explore our book, Science of Roller Coasters: Energy - Karen Kenney. In this engaging title, young readers learn about different forms of energy! Different forms of energy such as potential and kinetic are explained, as are gravity, acceleration, velocity, g-forces, and centripetal force.

As scientists we will learn about Forces. We will learn about Newton's 3 laws of motion, how forces affect everything around us, how we need forces to help us move and slow down. We will also look at the forces involved in the design and building of rollercoasters.

As historians we will: identify the key events, dates and landmarks for the history of theme parks and rollercoasters.

As design and technologists we will: design and create our own theme park and rollercoasters.

As users of technology we will: begin on an introduction to spreadsheets - answering questions by using spreadsheets to organise and calculate data

As citizens' of the UAE how theme parks provide an income source from tourists and how the UAE spends this money on government services.

GFS Curriculum Drivers linked to the National Agenda

Enterprise and Innovation	Eco and Environment	Inclusive Communities
As innovators we will: design a 21st century theme park for children that others rides and experiences like no other place in the world.	**As people concerned with the environment we will:** look how a theme park can be carbon neutral and help the environment.	**As members of a community we will:** discuss how theme parks are designed to offer rides to all people regardless of disabilities.

Opportunities for Enrichment

School	Home
♦ Engage in a virtual field trip to explore the best roller coasters in the world.	♦ Visit a theme park and investigate the most popular rides and attractions. Analyse the good and bad features of the theme park.