Scream Machine

Roll up, roll up! We're going on a day trip to a theme park!

This half term, we'll write poems to capture the excitement of riding a roller coaster and investigate the wonders of centripetal force. After carrying out fair tests to investigate the materials used to make roller coasters, we'll create prototype rides of our own. Let's hope we choose the right materials! In our computing work, we'll upload photographs of rides and examine online theme park maps. Then, we'll use advanced techniques and commands to search for information on the internet. In English, we'll write stories, signs and emails about theme parks and investigate forces by making a ride. We'll design a roller coaster using software such as Scratch and look at online advertising.

At the end of the ILP, we'll write non-fiction books, using a variety of sources including online information. We'll use software to write computer programs, and deliver a presentation to advertise a ride. Finally, we'll make some delicious fairground food for everyone to enjoy!

ILP focus	Science
English	Poetry, stories, signs, emails, adverts, non-fiction books
Science	Forces, properties of materials, mechanisms
Art & design	Photography and image editing
Computing	Digital photography, creating digital maps, online research, logical reasoning and algorithms, safe and respectful use of technology, online discussion, digital posters
D&T	Ride design, programming models, mechanical systems, working models
Geography	Theme parks around the world
Mathematics	Money
PSHE	Discussion and debate

Help your child prepare for their project

In Scream Machine, the children will learn the secrets of theme park design and how their favourite rides work. Why not look at toys with moving parts at home, to see if you can find out how they work? You could also research famous theme parks around the world online. Which are the most popular rides? Alternatively, you could research Walt Disney's successful theme parks. Where in the world are they?