






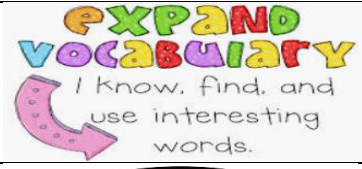



Creative Homework – Year 5
Scream Machine - Summer 2

C		<p>Go create a model roller coaster of your own at home using boxes and chairs!</p> <p>Take a photo to capture the essence of the ride.</p> <p>Set up a roller coaster 'carriage' in your living room with pairs of seats in rows. Take souvenir pictures as different groups 'ride' the roller coaster. You may want to watch the video in the 'explore' section to add to the experience!</p>
R		<p>Alton Towers (Stoke-on-Trent), Blackpool Pleasure Beach (Blackpool), Drayton Manor (Staffordshire)</p> <p>What do you notice about these theme parks? What do they have in common?</p> <p>What would you have if you designed your own theme park?</p>
E		<p>Dim the lights, sit on the floor and experience the thrill of a roller coaster ride by watching this video</p> <p>If you're watching on a phone, you can rotate your view 360°!</p>
A		<p>Read about centripetal force here and in the 'Tune In' section.</p> <p>Draw a diagram of an experiment about centripetal force.</p> <p>Label your diagram with the vocabulary used below.</p> 
T		<p>Witness the wonders of the centripetal force! Watch this amazing video which will show you all about it.</p> <p>Next, fill a quarter of a bucket with water and swing it quickly in a vertical circular motion. Slow down until the water just stays in the bucket. Slow down the swinging further! Describe what happened to the water at each stage.</p>
I		<p>Study theme park maps of Alton Towers here and Drayton Manor here. See how they are laid out, spotting common rides and amenities. Use a key to identify features, such as toilets, public telephones, cafes and lost child meeting points. Create a map and key of the theme park, using images sourced safely using kiddle.co on the internet, clip art, symbols, icons and text.</p>
V		<p>Think about the experiments you have seen and carried out using centripetal force. Your words and phrases are: circular path, speed, object, tether, force.</p> <p>Use an online dictionary to find out what these words mean and include them on your labelled diagram of your experiment.</p>
E		<p>Watch this world record loop the loop and describe what is happening in terms of forces.</p> <p>Explain why it's important that roller coasters are going fast when they loop the loop.</p> 