

# SCREAM MACHINE

Below you have a range of activities to complete. You MUST complete at least 5 of these. Tick which activities you have completed.

Send your teacher a picture of the finished learning.

<p>Plan a trip to a local theme park for your family. Calculate how much it will cost, how long it will take to get there and write an itinerary for the day.</p>	<p>Research the history of fairground rides, and create a PowerPoint presentation that includes information, timelines, pictures, film and sound clips.</p>	<p>Make a flipbook animation of a roller coaster ride that includes a loop the loop.</p>	<p>Research online to find information about roller coasters from around the world. Which is the oldest? The longest? The scariest? Record your results in a table.</p>
<p>Use the web to investigate mathematical data about a range of different theme park rides. Find information such as the ride's length, g-force, type and height. Use your data to create spreadsheets or charts, then interpret and find relationships and patterns.</p>	<p>Explore your home and the surrounding area to look for machines, toys and other objects that use cams, gears, levers and pulleys. Take photos and create a montage of all the different mechanisms found.</p>	<p>Make a loop the loop using flexible track. Modify the track until a marble or toy car can successfully make it round the loop. Challenge other family members to get the marble or car to fly off the end and land in a pot by changing the trajectory. Keep a tally to show your success rate.</p>	<p>Research and write a biographical account of Walter Elias Disney, animator and entrepreneur. Find the location of Disney theme parks around the world.</p>

Parents to sign when at least 5 tasks have been Completed:.....

Pupil to sign when at least 5 tasks have been completed:.....