



Year 4 Spring 2024
'Fun at the Fair'



The objectives in DT are to:

- Create a research page from information gathered about existing rides and evaluate these to help them develop their design criteria.
- Experiment with creating mechanisms using construction materials and write evaluations of the functionality and suitability for purpose.
- Explore the use of an electrical system for their product that can be used to meet the design criteria.
- Draw and annotate an exploded diagram to communicate their design of a funfair ride that fulfils the design criteria and evaluate.
- Build a model of their ride that fulfils the design criteria and is aesthetically pleasing to present in the exhibition.
- Use comparative and evaluative language to describe the effectiveness of their design and building of their ride.

The children will learn about forces that occur in a theme park ride and explore and research the rides and how they work. The children will discuss their findings and agree on criteria for their own theme park ride design. After exploring mechanisms and circuits, they will create innovative models and develop explanations to display in an exhibition for their year group peers and teachers who will judge which rides fulfil the design brief most successfully.

The objectives in writing are to:

- Write a narrative based in a theme park.
- Write an explanation text detailing how a specific ride works. This will then be used to support their own design, creating and evaluating process for their fairground ride.

The objectives in Science are to:

Construct simple series electrical circuit to light a bulb or work a motor operated with a switch that will be incorporated in their invention.

Project Vocabulary

Please ensure your child learns these to encourage them to use them correctly in school.

material	build
length	purpose
straight	forwards
strength	

Key information:

Home Learning

The children will be asked to research fairgrounds and present their findings as a poster, booklet or leaflet.

Home learning is due

25.3.24

We will hold an exhibition of fairground rides in our year group.



Please see the attached Home Learning, that has been written and explained to your child. We really value the support you show to your child with their home learning in order for them to consolidate their creativity and thinking skills.