

Fantastic Fairgrounds

In this project, we will be investigating the forces used on fairground rides and rollercoasters. We will then use our new knowledge and DT skills to design and build our own fairground rides. In English we will be writing character descriptions, explanation texts and persuasive adverts.

1. Adult Led

With an adult, think about your favourite ride at a theme park or fairground and find more information about it. If you haven't been on many rides, research one that you would like to try or a family member enjoys. Examples include: rollercoasters, carousels, Ferris wheels, log flumes or spinning tea cups. Some ideas for information you can find out are:

- How is the ride made?
- When was it first made?
- How does the ride work?
- Can you find any other interesting facts?

2. Child Led

Draw a diagram of your chosen ride. Make sure that you show all parts of the ride and think carefully about your presentation.

3. Joint Activity

Label the forces that are acting on your chosen ride including arrows that display which direction the forces are acting in. Key forces to include are: gravity, air resistance and friction.

Use this website to help if needed:

<https://www.bbc.co.uk/bitesize/topics/z72vrj6/articles/zm4cqp3>

This home learning activity will help us in school when considering our own designs for fairground rides. Please upload your research and diagram to our **home learning Seesaw** account *or* bring a physical copy into school by **Friday 10th July**. Please join us for our parent share on **Friday 17th July, drop in at any point between 8:30-9:30am**, where we will be showcasing our own fairground rides!