



# FAIRGROUNDS

## The big idea



We all know that fairground rides are designed to thrill our senses, through fear, excitement and the unexpected. How are these rides powered in a way which enables them to speed up and slow down at just the right moments, whilst staying on a track that twists upside down? These mysteries will be revealed as we learn more about the science behind energy, forces, sound and light.

### *In Science, we will be finding out:*

- What keeps our feet on the ground
- About other forces that act upon us
- How to identify and measure forces
- How forces act on everyday life
- How to use electricity as a source of power
- About magnetism: how and why magnets work
- How light travels and how we see
- How sound travels and how we hear

### *In Technology, we will be finding out:*

- How to solve problems to understand how everyday objects work
- How people use technology
- How to design and make models and games

### *In International, we will be finding out:*

- About fairgrounds and theme parks in our host and home countries



- *How international agencies are helping to increase energy efficiency and tackle the problems of noise and light pollution*
- *About international aid agencies and their work*