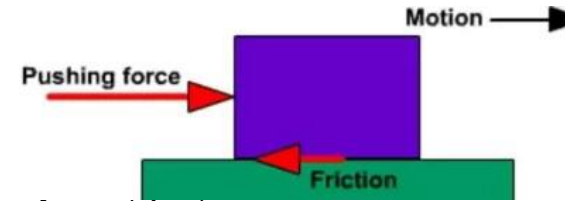


# Darlinghurst Academy Year 5 Spring 1: The Fairground

## Vocabulary

|                   |  |
|-------------------|--|
| Centrifugal Force | a force, arising from the body's inertia, which appears to act on a body moving in a circular path and is directed away from the centre around which the body is moving. |
| Friction          | the resistance of motion when one object rubs against another  |
| Force             | the pulling or pushing effect that something has on something else   |
| Gear              | a part of a machine that causes another part to move because of teeth which connect the two moving parts   |
| Gravity           | the force which causes things to drop to the ground  |
| Lever             | a basic tool used to lift or pry things open   |
| Motion            | the activity of changing position or moving from one place to another  |
| Pulley            | a simple machine that makes lifting something easier. A pulley has a wheel or set of wheels with grooves that a rope or chain can be pulled over                         |
| Spring            | a spiral of wire which returns to its original shape after it is pressed or pulled   |
| Streamlined       | A streamlined vehicle, animal, or object has a shape that allows it to move quickly or efficiently through air or water  |

## What are forces?



- Forces are pushes and pulls.
- These forces change the motion of an object.
- They will make it start to move or speed up, slow it down or even make it stop.
- Friction is a force - it is the resistance of motion when one object rubs against another.

## Mechanisms



lever



pulley



gear



spring

## The British Isles



## Gravity and Air Resistance

Gravity is the force that pulls objects to the centre of the Earth.

Air resistance pushes up on the parachute, opposing the force of gravity. This makes the parachute land more slowly.

