

Forces

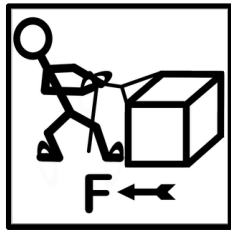
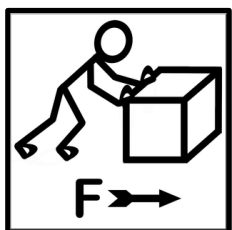
Force - Strength or energy as an effect of moving.

Gravity - a force that pulls objects towards each other.

Friction - A force between two surfaces that slows objects down.

Air resistance - a force that slows objects down through the air.

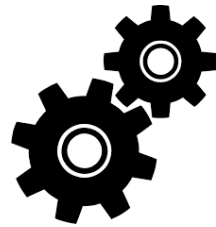
Centripetal force - keeps an object moving in a circle at a constant speed.



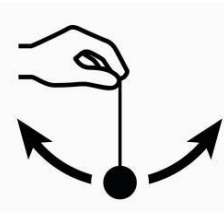
Up, Up and Away



Motion - the action or process of moving or being moved.

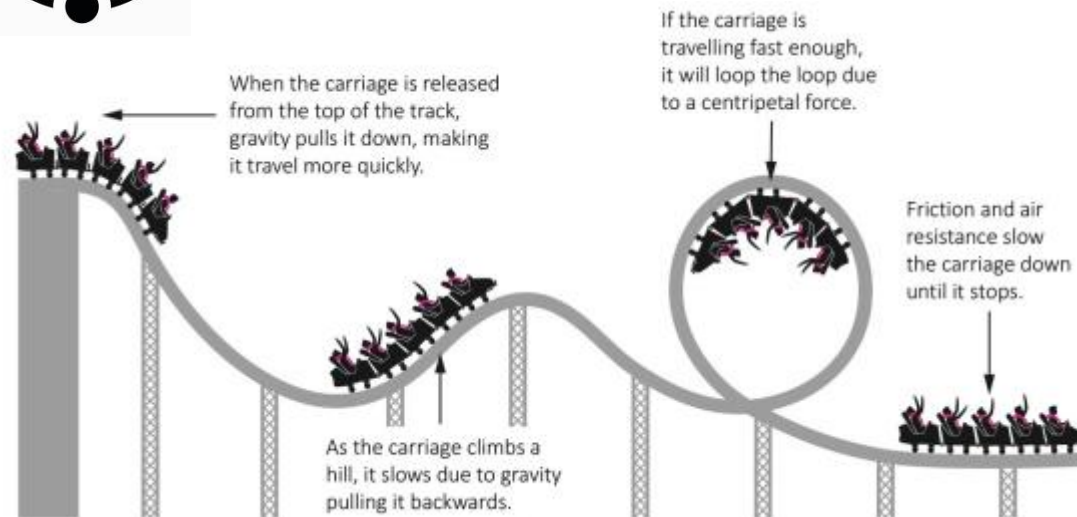


Cam - a mechanism that changes one motion into another motion.



Gear - a mechanism that is used to change the speed, force or motion.

Pendulum - a weight on a thread or stick that swings from side to side.



Amusement rides

There are many types of amusement ride that use different forces and mechanisms.



swing ride



drop tower



pendulum ride



roller coaster



carousel



log flume

Theme park (noun): an amusement park that follows a consistent theme.



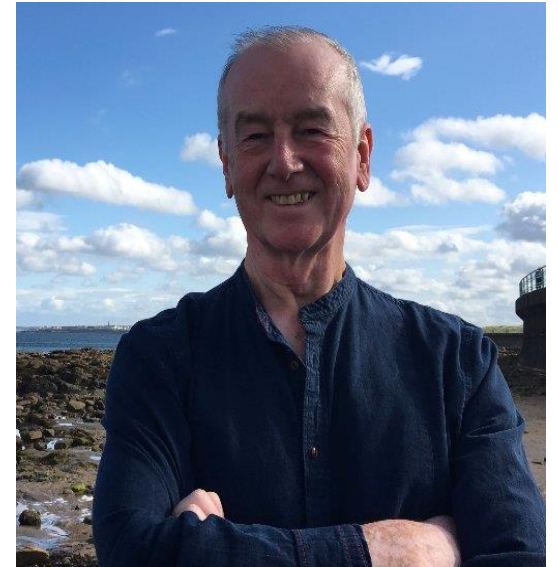
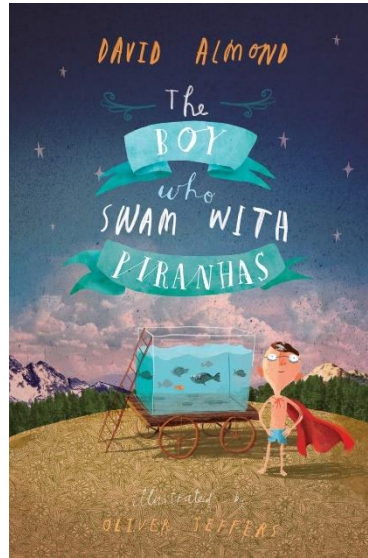
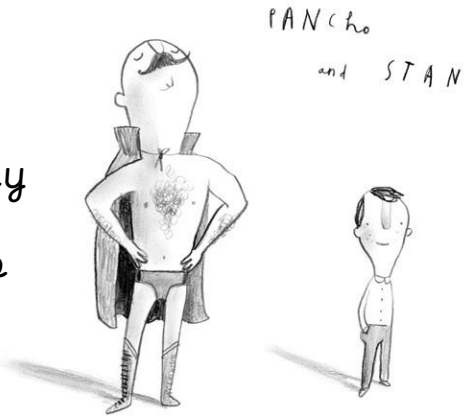
The Boy Who Swam With Piranhas.

Illustrator—Oliver Jeffers

Author—David Almond

Main Characters

- Stanley Potts
- Uncle Ernie
- Auntie Annie
- Wilfred Dostoyevsky
- Nitasha
- Clarence P. Clapp
- Gypsy Rose
- Pancho Pirelli
- Mr Smith
- Mr Seabrook



Forces and Movement Key Words

- | | | | | | |
|-----------|---------|---------|------------|-----------|--------------|
| force | bounce | push | spin | pull | momentum |
| up thrust | stretch | attract | move | slide | repel |
| gravity | spring | sink | fast | magnetism | Newton meter |
| magnet | wheel | up | resistance | buoyancy | mass |
| magnetic | roll | down | friction | float | weight |

