

Unit Overview – Forces 1

You will learn about:

- Identifying forces
- Resultant force
- Gravity
- Streamlining



Skills focus:

- Interpreting graphs
- Construct a method eg for friction investigation

Key learning points		Key Words
List the main types of forces		Non-contact force
State that forces tend to act in pairs		Contact force
Explain the difference between contact and non-contact forces		Resultant force
Calculate resultant force		Friction
Define gravity		Gravity
Describe the difference between weight and mass		Air resistance
Calculate weight on this and other planets		Magnetic
Describe the factors affecting strength of gravity		Electrostatic
		Drag
		Up thrust
		Reaction
		Streamline
		Mass
		Gravitational field strength
		Weight
		Newton
		Kilogram
		Solar system

Links to other subjects:

STEAM

- Designing a product which is streamlined

PE (BTEC/GCSE)

- Resultant forces in the moment of objects

Numeracy

- using formulae to perform calculations
- constructing and interpreting graphs
- Calculating a mean from investigation results

Literacy

- extracting information from diagrams
- describe and explain relationships shown on graphs.