

Unit Overview – Forces 2

Target grade for tests:

You will learn about:

- Resultant forces
- Speed
- Motion-time graphs
- Terminal velocity
- Air resistance

Skills focus:

- Interpret a distance- time graph
- Interpret a velocity-time graph



Key learning points		Key Words
Describe resultant forces and motion		
Calculating speed		
Drawing and interpreting distance-time graphs		
Drawing and interpreting velocity-time graphs		
Describe terminal velocity		
Explain terminal velocity		
Investigating effect of air resistance / drag on moving objects		
Links to other subjects:		
Maths		Equilibrium
<ul style="list-style-type: none">• Interpreting graphs		Resultant force
STEAM		Friction
<ul style="list-style-type: none">• Effect of air resistance on moving objects		Air resistance
Numeracy		Gravity
<ul style="list-style-type: none">• Understand surface area.• Describe relationships in graphs.• Using a formula		Terminal velocity
Literacy		Drag
<ul style="list-style-type: none">• Use key scientific terminology to develop explanations.		Speed
		Velocity
		Distance
		Time
		Acceleration

Newton
Equilibrium
Resultant force
Friction
Air resistance
Gravity
Terminal velocity
Drag
Speed
Velocity
Distance
Time
Acceleration