

**Unit Overview –Forces 1**

**Target grade for tests: .....**



**You will learn about:**

- Speed and acceleration
- Resultant force
- Gravity

**You will be able to:**

- analyse patterns, discuss limitations, draw conclusions, present data

<b>Key learning points</b>		<b>Key Words</b>  Speed Average speed Relative motion Acceleration  Weight Non-contact force Mass Gravitational field strength Field
Calculate speed using the speed formula.		
Interpret distance time graphs.		
Explain motion and relative motion.		
Describe the main types of force and represent using arrows.		
Explain the difference between mass and weight.		
Calculate and explain gravity.		
Skill: analyse patterns, discuss limitations, draw conclusions, present data		
<b>Links to other subjects:</b>		
<b>SMSC</b>		
<ul style="list-style-type: none"><li>• Discuss the possibility of space tourism and the cost of space exploration.</li></ul>		
<b>Numeracy</b>		
<ul style="list-style-type: none"><li>• using formulae to perform calculations</li><li>• constructing and interpreting graphs</li></ul>		
<b>Literacy</b>		
<ul style="list-style-type: none"><li>• extracting information from diagrams</li><li>• describe and explain relationships shown on graphs.</li></ul>		