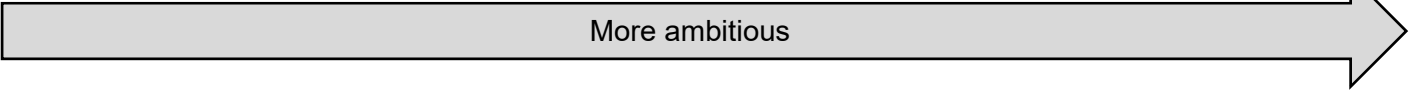


## We will learn: Motion and pressure

Element			
<b>1. Speed</b>	State the equation for speed	Make appropriate measurements for time and distance to calculate speed	Calculate Speed Using the Speed Equation
			Explain what is meant by relative motion and how it can be calculated
<b>2. Motion Graphs</b>	Describe simply what a distance-time graph shows	Calculate speed from a distance-time graph	Interpret distance-time graphs
			Draw distance-time graphs for a range of journeys
<b>3. Pressure in gases</b>	To describe what pressure is	To explain pressure using particle theory	Explain experiments using the words particle and pressure.
			Explain experiments taking into account air pressure
<b>4. Pressure in liquids</b>	State simply what happens to pressure with depth	Describe how liquid pressure changes with depth	Explain why some things float and some things sink, using force diagrams
	Describe characteristics of some objects that float and some that sink		
<b>5. Pressure on solids</b>	State the equation for Pressure	What is pressure	Explain how we can solve problems caused by pressure
	Use the idea of pressure to describe familiar situations	Calculate pressures including your own	
<b>6. Turning Forces</b>	What is a moment	Use calculations to work out the size of moments	Use calculations to find out if objects are balanced or unbalanced
	What can be done to increase the size of a moment?		Use calculations about moments to explain problems

