

## 1

## 1.2 Gravity

**Activate**  
for AQA

Lesson	Know	Apply	Extend
1.2.1 Forces at a distance	I can identify that gravity is a force that acts at a distance. <input type="checkbox"/>		
	I can state how gravity changes with distance. <input type="checkbox"/>	I can describe the effect of a field using force diagrams. <input type="checkbox"/>	I can explain how the effect of gravity changes when moving away from Earth, and in keeping objects in orbit. <input type="checkbox"/>
	I can draw a table and present results, with help. <input type="checkbox"/>	I can present my results in a simple table. <input type="checkbox"/>	I can present results in a table and ensure they are reliable. <input type="checkbox"/>
	I can define the term 'gravitational field strength'. <input type="checkbox"/>	I can describe the effect of gravitational forces on Earth and on objects in orbit. <input type="checkbox"/>	I can analyse data about orbits in terms of the variation of gravity with mass and distance. <input type="checkbox"/>
		I can calculate weight using the equation 'weight = mass × gravitational field strength'. <input type="checkbox"/>	
			I can compare and contrast gravity with other forces. <input type="checkbox"/>