




S1 Physics Unit 1: Forces and Space - Learning Outcomes

Forces and Space			
Speed, distance and time			
I can describe how to measure the average speed of an object.			
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Forces			
I can describe some examples of forces.			
I can describe what a Newton balance is.			
I can describe how to use a Newton balance to measure force.			
I can describe what mass is.			
I can describe what weight is.			
Friction			
I can give examples of where friction appears in everyday life.			
I can describe which types of materials produce lots of friction.			
I can describe which types of materials produce less friction.			
I can describe ways of reducing friction in everyday situations through streamlining.			
I can describe ways of reducing friction in everyday situations through lubrication.			
I can describe ways where friction plays a significant role in everyday situations.			
Space			
I can design a rocket using what I know about streamlining.			
I can state what is meant by the Universe, a Galaxy, a Solar system and a Planet.			
I can state what 8 planets make up our Solar system and list their order from the Sun.			
I can describe the relative sizes of the planets.			
I can calculate the weight of objects when placed on different planets in our solar system.			
I can state what an Exoplanet is.			
I can state what 5 things an Exoplanet must have in order to sustain life.			