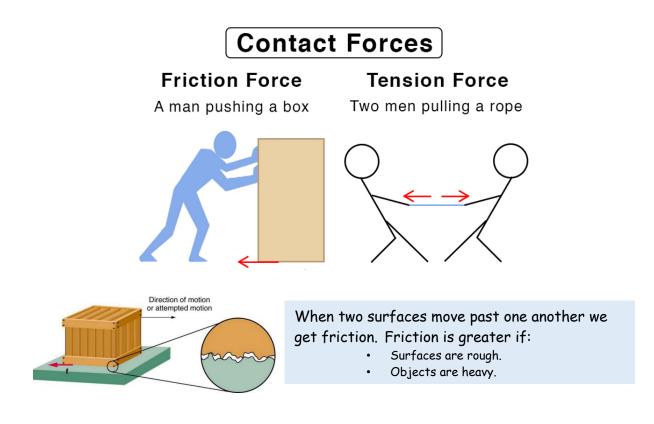
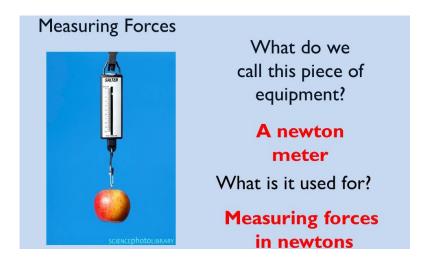
Forces - Contact Forces KEY LEARNING

A contact force has direct contact with an object.

A contact force is defined as the force between two objects that are in physical contact. For example, kicking a soccer ball is a contact force since physical contact is between the foot and the ball.



Force is measured in Newtons (N).



Forces - Pressure KEY LEARNING

A tractor has big tyres to stop it sinking in mud.

The weight (force) of the tractor is spread out over the big area of the tyres. This means the tractor exerts a small pressure on the ground and is less likely to sink.



<u>Keywords</u>

Pressure: The number of Newtons per area (cm³ or m³). It's why we leave footprints!

Atmospheric pressure: The pressure caused by the weight of the air above a surface.

Pressure = Force ÷ Area

Key Learning Questions	Year 8 Forces
What do we call the force where two objects	Contact (force)
touch?	
What unit (a single letter) is force measured in?	Ν
What do we call the force between two rubbing	Friction
surfaces?	
What do we call a force distributed over an area?	Pressure
Bigger tyres stop a tractor sinking in mud. How?	Bigger area/
	Lower pressure