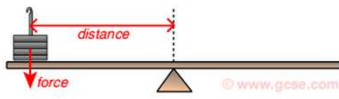
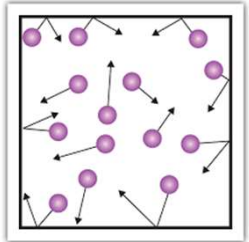


YEAR  
**11**

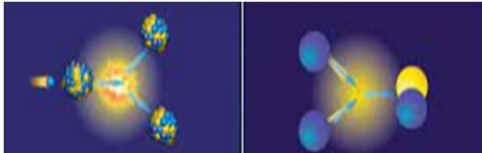
**Moments**  
Calculate moments of forces, determining whether an object is in equilibrium.



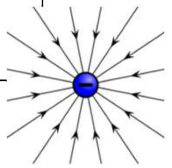
**Gas pressure**  
How does gas pressure and volume change depending on the situation?



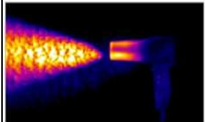
**Radioactivity**  
What are fission and fusion?



**Electric charge**  
What happens when insulating materials are rubbed together?

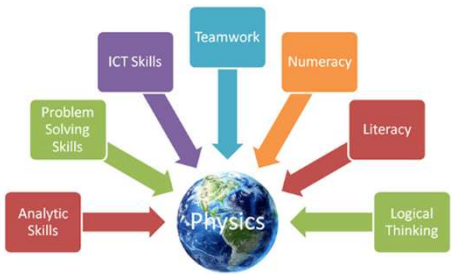


**Energy transfer by heating**  
What do we know about infrared radiation?



**Required Practical: Insulation**

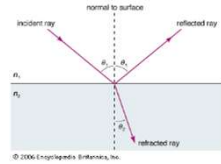
**Skills in physics**  
How can we apply skills that scientist need?



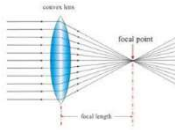
YEAR  
**10**

**Space physics**  
What does the solar system involve and what do we know about it?





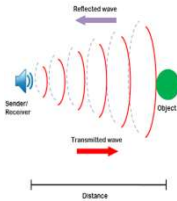
**Light – Lenses**  
 What are lenses and how do they work?



**Light – reflection/refraction**  
 What is reflection and refraction of light?

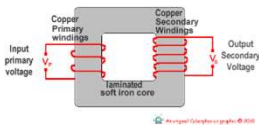
**Required Practical: Light**

**Wave properties separate**  
 Explain how ultrasound waves work

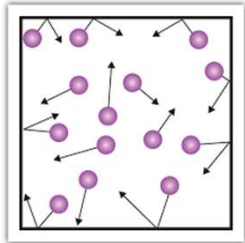


**Forces and momentum**  
 How can we improve car safety features?

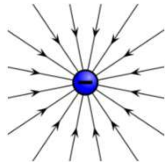
**Electromagnetism separate**  
 How do transformers work?



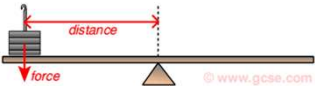
**Gas pressure**  
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**Moments**  
 Calculate moments of forces, determining whether an object is in equilibrium.



**YEAR 11**