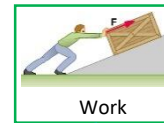


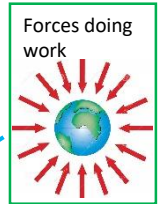
A level Sciences – Biology,  
Chemistry and Physics  
(Need grade 6 and above  
and grade 6 in Maths)

Other post 16 options –  
Apprenticeships, other A  
level subjects, other BTEC  
subjects, other training,  
College?

Exams



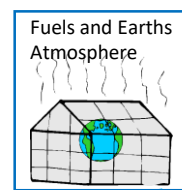
Work



Forces doing  
work



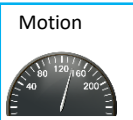
Earth & Space



Fuels and Earths  
Atmosphere

P5

P6



Motion



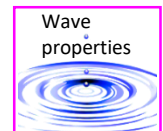
Motion  
& Forces

P2

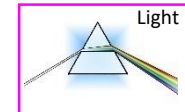
YEAR  
11



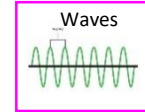
Radioactivity



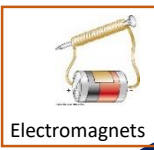
Wave  
properties



Light

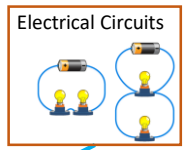


Waves

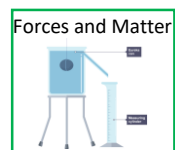


Electromagnets

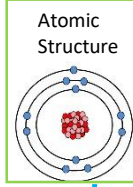
P4



Electrical Circuits



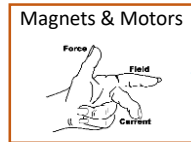
Forces and Matter



Atomic  
Structure

P3

P1



Magnets & Motors



Magnetism



Pressure



Particle  
Model



YEAR  
10



Speed

Forces



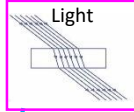
Electricity



Voltage



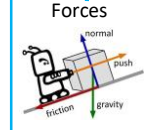
Light & Sound



Light



Gravity



Forces



Current

Electricity

Waves

Intro Topic

YEAR  
9

Year 9 Physics is a  
KS3 course which  
prepares students for  
GCSE

## OCR Gateway Combined Science Physics

<ul style="list-style-type: none"> <li>• Topic P1: Matter</li> <li>• Topic P2: Forces</li> <li>• Topic P3: Electricity and magnetism</li> <li>• Topic CS7: Practical skill (PAGs P1-P6)</li> </ul>	<p>Paper 11 (Physics)</p> <p>J250/11</p> <p>1 hour 10 minutes</p> <p>60 mark written paper</p>	<p><b>16.7%</b></p> <p><b>of total</b></p> <p><b>GCSE</b></p>
<ul style="list-style-type: none"> <li>• Topic P4: Waves and radioactivity</li> <li>• Topic P5: Energy</li> <li>• Topic P6: Global challenges</li> <li>• Topic CS7: Practical skills (PAGs P1-P6)</li> </ul> <p>With assumed knowledge of P1–P3</p>	<p>Paper 12 (Physics)</p> <p>J250/12</p> <p>1 hour 10 minutes</p> <p>60 mark written paper</p>	<p><b>16.7%</b></p> <p><b>of total</b></p> <p><b>GCSE</b></p>

## Content

### Summary of content for GCSE (9–1) in Combined Science A (Gateway Science) – Physics

Topic P1: Matter	Topic P2: Forces	Topic P3: Electricity and magnetism
P1.1 The particle model P1.2 Changes of state	P2.1 Motion P2.2 Newton's laws P2.3 Forces in action	P3.1 Static and Charge P3.2 Simple circuits P3.3 Magnets and magnetic fields
Topic P4: Waves and radioactivity	Topic P5: Energy	Topic P6: Global challenges
P4.1 Wave behaviour P4.2 The electromagnetic spectrum P4.3 Radioactivity	P5.1 Work done P5.2 Power and efficiency	P6.1 Physics on the move P6.2 Powering Earth