

YEAR 11 CURRICULUM INFORMATION – Physics

Spring 1

Spring 2

	Spring 1	Spring 2
What will students be learning?	<p><b><u>Space (Separate Science Only)</u></b></p> <ul style="list-style-type: none"> <li>• Formation Of The Solar System</li> <li>• The Life History Of A Star</li> <li>• Planets, Satellites and Orbits</li> <li>• The Expanding Universe</li> <li>• The Beginning and Future of The Universe</li> </ul>	<p><b><u>Space</u></b></p> <ul style="list-style-type: none"> <li>• Revision</li> </ul> <p><b><u>Revision</u></b></p> <ul style="list-style-type: none"> <li>• Topics identified by performance in November mock exams</li> </ul>
How will students be assessed?	<ol style="list-style-type: none"> <li>1. Milestone test at the end of the topic</li> <li>2. In-class formative review each lesson</li> </ol>	<ol style="list-style-type: none"> <li>1. Milestone test at the end of the topic</li> <li>2. In-class formative review each lesson</li> </ol>
Literacy – What keywords will be taught?	<p>Nebula, protostar, main sequence, red (super)giant, white dwarf, black dwarf, supernova, neutron star, black hole, gravity, radiation pressure, planet, satellite, orbit, centripetal force, velocity, polar, geostationary, low Earth orbit, elliptical, expansion, red shift, doppler effect, big bang, big crunch, big yawn</p>	<p>Dependent upon topics covered in revision</p>
What employability skills are being developed?	<ul style="list-style-type: none"> <li>• Problem solving (Understanding of how scientific theories develop based on new evidence being found, such as the steady state theory being challenged by Edwin Hubble with the expanding universe)</li> </ul>	<ul style="list-style-type: none"> <li>• Dependent upon topics covered in revision</li> </ul>
Wider Curriculum Links?	<ul style="list-style-type: none"> <li>• RE – Class discussion may involve various religious beliefs on the beginning of the universe and comparing these to documented scientific evidence.</li> </ul>	<ul style="list-style-type: none"> <li>• Dependent upon topics covered in revision</li> </ul>



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[Primrose Kitten](#)



[GCSE Pod](#)



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[Oak National Academy](#)  
Select KS4 Science (Triple)

What useful websites are there for this topic?

Click links for more info

What wider reading could be done for this topic?

Click links for more info

What else can students be doing independently to develop their understanding of this topic?

Click links for more info

**Textbook** (separate sciences): [AQA GCSE Physics Student Book \(3<sup>rd</sup> Ed\)](#)

**Textbook** (combined science): [AQA GCSE Physics for Combined Science \(Trilogy\) Student Book \(3<sup>rd</sup> Ed\)](#)

**Revision Guide** (separate sciences): [AQA GCSE 9-1 Physics All-in-One Complete Revision and Practice](#) (available on ParentPay)

**Revision Guide** (combined science): [AQA GCSE 9-1 Combined Science Higher All-in-One Complete Revision and Practice](#) (available on ParentPay)

**Exam Question Practice** (matches the revision guides on ParentPay): [Collins AQA GCSE 9-1 Physics Workbook](#)

**Exam Question Practice** (Separate Higher Tier): [CGP GCSE Physics AQA Exam Practice Workbook - Higher](#)

**Exam Question Practice** (Combined Higher Tier): [CGP GCSE Combined Science AQA Exam Practice Workbook – Higher](#)

**Exam Question Practice** (Separate Foundation Tier): [CGP GCSE Physics AQA Exam Practice Workbook - Foundation](#)

**Exam Question Practice** (Combined Foundation Tier): [CGP GCSE Combined Science AQA Exam Practice Workbook - Foundation](#)