



## Y11 Learning Journey. Subject: Physics (Single Award)

Exam Requirements: Your GCSE in Physics (Single Award) is structured, and examined, in the following way:

Paper One: 1 hour 45 minutes – 50% of your grade	Paper Two: 1 hour 45 minutes – 50% of your grade
<ul style="list-style-type: none"> <li>• Energy (topic 1)</li> <li>• Electricity (topic 2)</li> <li>• Particle nature of matter (topic 3)</li> <li>• Atomic Structure (topic 4)</li> </ul>	<ul style="list-style-type: none"> <li>• Forces (topic 5)</li> <li>• Waves (topic 6)</li> <li>• Magnetism and Electromagnetism (topic 7)</li> <li>• Space Physics (topic 8 – Triple award only)</li> </ul>

### Overview of the Year:

W/C Date	Y11 Single Award	Important dates or notes
01-Sep	<i>Classes T1, T2, T3 and T5 miss one lesson due to Monday INSET and Y7/Y12 induction</i> P12.1 The nature of Waves	
08-Sep	P12.2 The Properties of Waves	
15-Sep	P12.3 Reflection and Refraction (Higher tier only) (some aspects are Separate Sciences – Physics only)	
22-Sep	<b>REQUIRED PRACTICAL 9 – Refraction</b>	
29-Sep	P12.5 – Sound Waves (Higher tier only) (Single Science – Physics only)	
06-Oct	P12.6 the uses of Ultrasound (Higher tier only) (Single award: Physics only) P12.7 Seismic Waves (Higher tier only) (Single award: Physics only)	
13-Oct	<b>REQUIRED PRACTICAL 8 – Ripple Tanks</b>	
20-Oct	<b>Practical (not required but recommended) – Waves on a string</b>	
03-Nov	P13.1 Electromagnetic Waves (2 hours due to magnitude and importance of content) P13.2 – Light, Infrared, microwaves and radio waves (some aspects are higher only)	
10-Nov	P13.3 - Communications	

	P14.1 Reflection of light (Single Sciences – Physics only)	
17-Nov	<i>Revision for Y11 Assessment Week</i>	
24-Nov	<b>Y11 AW1 Assessment Week (Paper 1) – whole school</b>	<b>Y11 &amp; Y10 MS1 assessment week one in Sports hall</b>
01-Dec	<i>Y11 Assessment Week Feedback</i>	
08-Dec	P14.2 refraction of light (Single Sciences – Physics only) P14.3 Light and colour (Single Sciences – Physics only)	
15-Dec	Consolidation/Catch-up time	
05-Jan	P14.4 – Lenses (Single Sciences – Physics only) P14.5 Using Lenses (Single Sciences – Physics only)	
12-Jan	P13.4 – Ultraviolet waves, X-rays and gamma waves <b>Topic 6 Knowledge Check</b>	
19-Jan	<b>Topic 6 Knowledge Check Feedback</b> P15.1 Magnetic Fields	
26-Jan	P15.2 Magnetic fields of electric currents P15.3 Electromagnets in devices	
02-Feb	P15.4 The Motor Effect (hour 1 – establishing the motor effect and LHR) P15.4 The Motor Effect (hour 2 – electric motors)	
09-Feb	<b>Predicted Paper 2</b> <b>Predicted Paper 2 feedback</b>	
23-Feb	<i>Revision for Y11 Assessment Week 2</i>	
02-Mar	<b>Y11 AW2 Assessment Week 2 (Paper 2)</b>	<b>Y11 &amp; Y10 MS1 assessment week two in Sports hall</b>
09-Mar	<i>Feedback for Y11 Assessment Week 2</i>	
16-Mar	P15.5 The Generator Effect	

	P15.6 The Alternating-Current Generator	
	P15.7 Transformers	
23-Mar	P15.8 Transformers in action	
30-Mar	Consolidation/catch-up time	
20-Apr	<b>Predicted Paper 1</b>	
27-Apr	<b><i>Predicted Paper 1 feedback</i></b>	
Exams Start		

<p><b>Exam Practice:</b></p> <p>You can find past papers to help support your revision and develop your exam technique here:</p> <ul style="list-style-type: none"> <li>• <a href="http://www.Physicsandmathstutor.com">www.Physicsandmathstutor.com</a></li> </ul>	<p><b>Revision Materials:</b></p> <p>We advise that you use the following revision materials:</p> <p>Please refer to “the one document” revision resource for all revision needs. This can be found in the following area in the shared G drive;</p> <p>G:\Science\Home learning physics\GCSE additional resources</p>
<p><b><u>Glossaries:</u></b></p> <p>Vocabulary lists to support your revision can be found here:</p> <p><a href="http://www.aqa.org.uk">Subject specific vocabulary (aqa.org.uk)</a> – for science specific vocabulary</p> <p><a href="#">Physics Glossary AQA GCSE Flashcards   Quizlet</a> – quizlet with flashcards on physics specific key terms</p>	<p><b><u>Advice and Guidance for Revision</u></b></p> <p>Include any other helpful tips, guidance or advice about how to approach revision in your subject here:</p> <ul style="list-style-type: none"> <li>• revise short and often – maximum 45 mins to an hour at a time (unless doing a past paper) once or twice a week</li> <li>• PAST PAPERS ARE KEY – these are the best way to revise</li> <li>• Ask your teachers for resources and revision help (or watch the lesson videos in the one document resource)</li> </ul> <p>It is our intention to run revision classes every Wednesday after school – these are well worth turning up to!</p>

