



# CURRICULUM MAP – AS Physics

Term	Advanced Year 12 Physics	Term	Advanced Year 12 Physics
<p>Autumn: 12 weeks</p> <p>Literacy foci</p> <p>Reading skills</p> <p>Terminology and vocabulary</p> <p>Writing skills</p> <p>Harvard Referencing</p> <p>Numeracy Foci</p> <p>Maths skills in Physics at AS</p> <p>Use of SI units and their prefixes</p> <p>Homework</p> <p>Exam Question Homework</p> <p>Group projects and presentations</p> <p>Transition Work –Summer Holidays</p> <p>‘Writing’ plenaries activities</p> <p>Revisiting, revising, remembering opportunities</p> <p>Past examination homework questions</p> <p>Required practical's</p> <p>Flipped learning</p> <p>Assessments</p> <p>Year12 Transition Work</p> <p>Year 12 Assessment 1</p> <ul style="list-style-type: none"> <li>Year 12 EOC Test/EOC HWK</li> </ul> <p>CPAC’s for Required Practical's</p> <p>Pupil Progress tracker</p>	<p><b>Physics AQA</b></p> <ul style="list-style-type: none"> <li>Matter and Radiation</li> <li>Quarks and Leptons</li> <li>Quantum Phenomenon</li> <li>Forces in Equilibrium</li> <li>On the move</li> <li>Newton’s Law of Motion</li> </ul> <p><b>Blended learning for students that are self-isolating to reduce the knowledge gap.</b></p> <p><b>Assessment objectives: A01, A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <ul style="list-style-type: none"> <li>Group work/collaboration</li> <li>Research skills and Scientific enquiry</li> <li>University visits</li> <li>Online Open days</li> <li>Trips</li> <li>Extended projects</li> <li>Future scientists virtual Science Club</li> <li>Future Learn resource sharing on Science Club</li> </ul>	<p>Summer 1: 7 weeks</p> <p>Literacy Foci</p> <p>Reading skills</p> <p>Terminology and vocabulary</p> <p>Writing skills</p> <p>Harvard Referencing</p> <p>Numeracy foci</p> <p>Limitation of physical measurements</p> <p>Determine the intercept and slope of a linear graph.</p> <p>Use ratios and fractions when analysing potential divider circuits.</p> <p>Homework</p> <p>Past exam paper questions</p> <p>Required practical Research using Harvard referencing</p> <p>Revisiting, revising, remembering opportunities</p> <p>‘Writing’ starters activities</p> <p>Past examination homework questions</p> <p>Required practical's</p> <p>Flipped learning</p> <p>Assessments:</p> <p>CPAC’s for Required Practical's</p> <p>End of Chapter Tests</p> <p>Targeted feedback</p> <p>Peer assessment for EOC tests</p>	<p><b>Physics AQA</b></p> <p>Optics</p> <p>Electricity</p> <p><b>Blended learning for students that are self-isolating to reduce the knowledge gap.</b></p> <p><b>Assessment objectives: A01,A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <ul style="list-style-type: none"> <li>Creativity</li> <li>Public speaking</li> <li>Empathy</li> <li>UCAS Applications -Introduction</li> </ul>
<p>Spring: 10 weeks</p> <p>Literacy foci</p> <p>Scientific Terminology and vocabulary</p> <p>Writing skills Harvard Referencing</p> <p>Numeracy Foci</p> <p>Maths skills in Physics at AS</p> <p>Estimation of Physical Quantities</p> <p>Homework</p> <p>Exam Question Homework</p> <p>Required practical Research</p> <p>‘Writing’ plenaries activities</p> <p>Revisiting, revising, remembering opportunities</p> <p>Past examination homework questions</p> <p>Required practical's</p> <p>Flipped learning</p> <p>Assessments</p> <p>Year 12 Assessment 2</p>	<p><b>Physics AQA</b></p> <ul style="list-style-type: none"> <li>Waves</li> <li>Work ,Energy and Power</li> <li>Materials U</li> </ul> <p><b>Blended learning for students that are self-isolating to reduce the knowledge gap.</b></p> <p><b>Assessment objectives: A01, A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <ul style="list-style-type: none"> <li>Empathy</li> <li>Research skills</li> <li>Perseverance</li> <li>Time-management and organisation skills.</li> <li>Future scientists virtual Science Club</li> <li>Future Learn resource sharing on Science Club</li> <li>Science week activities and assemblies</li> </ul>	<p>Summer 2: 4 weeks revising for EOY 2 weeks</p> <p>Literacy foci</p> <p>Reading skills</p> <p>Terminology and vocabulary</p> <p>Writing skills</p> <p>Harvard Referencing</p> <p>UCAS applications</p> <p>Numeracy</p> <p>Recapping Maths skills in Physics at AS</p> <p>Homework</p> <p>Practise papers and revision tasks</p> <p>Revisiting, revising, remembering opportunities</p> <p>Specimen question papers and mark schemes to practice</p> <p>Assessments</p> <p>Year 12 PPE Year 12 EOC Test/EOC HWK</p>	<p>Revising</p> <p>Paper AS Paper 1 and Paper2</p> <p><b>Blended learning for students that are self-isolating to reduce the knowledge gap.</b></p> <p><b>Assessment objectives: A01,A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <ul style="list-style-type: none"> <li>Revision skills</li> <li>Empathy</li> <li>Time management</li> <li>Perseverance</li> <li>Work Experience</li> <li>Summer Schools at Universities</li> <li>CERN visit TBC</li> <li>Future scientists virtual Science Club</li> <li>Future Learn resource sharing on Science Club</li> </ul>



## CURRICULUM MAP

Term	AQA Advanced Year 13 Physics	Term	AQA Advanced Year 13 Physics
Autumn: 12 weeks	<p><b>Physics</b></p> <ul style="list-style-type: none"> <li>Further Mechanics</li> <li>Fields</li> </ul> <p><b>Assessment objectives: A01,A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <ul style="list-style-type: none"> <li>Group work/collaboration</li> <li>Research skills</li> <li>Public speaking</li> <li>University visits</li> <li>UCAS Applications</li> <li>Virtual visits and work experience</li> <li>Open evening participation</li> <li>Future scientists virtual Science Club</li> </ul> <p><b>Assessments</b></p> <p>CPAC's for required practical Year 13 Assessment 1 Year 13 PPE 1 Year 13 EOC Test/EOC HWK</p>	Summer 1: 7 weeks	<p><b>Physics</b></p> <p>Option D –Turning Points Comparison of AS and A-Level Practical's</p> <p><b>Assessment objectives: A01,A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <ul style="list-style-type: none"> <li>Creativity</li> <li>Public speaking</li> <li>Empathy</li> </ul> <p>Future scientists virtual Science Club</p> <p><b>Assessments:</b></p> <p>CPAC's for Required Practical's Year 13 EOC Test/EOC HWK</p>
<p>Literacy foci</p> <p>Reading skills</p> <p>Terminology and vocabulary</p> <p>Writing skills</p> <p>Harvard Referencing</p> <p>Numeracy Foci</p> <p>Maths skills in Physics at A-Level</p> <p>Use of SI units and their prefixes</p> <p>Homework</p> <p>Exam Question Homework</p> <p>Group projects and presentations</p> <p>Transition Work AS to A-Level –Summer Holidays</p> <p>'Writing' plenaries activities</p> <p>Revisiting, revising, remembering opportunities</p> <p>Past examination homework questions</p> <p>Required practical's</p> <p>Flipped learning</p> <p>Revising Content</p> <p>Specimen question papers and mark schemes to practise and Examiners report's</p>	<p>Summer 2: 4 weeks revising for EOY 2 weeks</p> <p>Literacy foci</p> <p>Reading skills</p> <p>Terminology and vocabulary</p> <p>Writing skills</p> <p>Harvard Referencing</p> <p>UCAS applications</p> <p>Numeracy</p> <p>Recapping Maths skills in Physics at AS</p> <p>Homework</p> <p>Practise papers and revision tasks</p> <p>Revisiting, revising, remembering opportunities</p> <p>Specimen question papers and mark schemes to practice.</p>	<p>Revising</p> <p>Paper A-Level Paper 1 ,Paper2 and Paper 3</p> <p><b>Assessment objectives: A01,A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <p>Revision skills</p> <p>Empathy</p> <p>Time management</p> <p>Perseverance</p> <p>Future scientists virtual Science Club</p> <p>Future Learn resource sharing on Science Club</p> <p><b>Assessments</b></p> <p>A-level Examinations</p>	
Spring: 10 weeks	<p><b>Physics</b></p> <ul style="list-style-type: none"> <li>Nuclear Physics</li> <li>Option D – Turning points</li> </ul> <p><b>Assessment objectives: A01, A02 and A03</b></p> <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p><b>Enrichment/life and work skills:</b></p> <ul style="list-style-type: none"> <li>Empathy</li> <li>Research skills</li> <li>Perseverance</li> <li>University Open Days</li> <li>UCAS Applications</li> <li>Future scientists virtual Science Club</li> <li>Future Learn resource sharing on Science Club</li> <li>Science week activities and assemblies</li> <li>Science week activities and assemblies</li> </ul> <p><b>Assessments</b></p> <p>Year 13 PPE 2 Year 13 EOC Test/EOC HWK CPAC's for Required Practical's</p>	<p>Revising</p> <p>Paper A-Level Paper 1 ,Paper2 and Paper 3</p> <p><b>Assessment objectives: A01,A02 and A03</b></p> <p><b>Enrichment/life and work skills:</b></p> <p>Revision skills</p> <p>Empathy</p> <p>Time management</p> <p>Perseverance</p> <p>Future scientists virtual Science Club</p> <p>Future Learn resource sharing on Science Club</p> <p><b>Assessments</b></p> <p>A-level Examinations</p>	