



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"> Year 12 EOC Test/EOC HWK <p>CPAC's for Required Practical's</p> <p>Pupil Progress tracker</p>	<p>Physics AQA</p> <ul style="list-style-type: none"> Matter and Radiation Quarks and Leptons Quantum Phenomenon Forces in Equilibrium On the move Newton's Law of Motion <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Assessment objectives: A01, A02 and A03</p> <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Group work/collaboration Research skills and Scientific enquiry University visits Online Open days Trips Extended projects Future scientists virtual Science Club Future Learn resource sharing on Science Club 	<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>Physics AQA</p> <p>Optics</p> <p>Electricity</p> <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Assessment objectives: A01,A02 and A03</p> <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Creativity Public speaking Empathy UCAS Applications -Introduction
<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>Physics AQA</p> <ul style="list-style-type: none"> Waves Work ,Energy and Power Materials U <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Assessment objectives: A01, A02 and A03</p> <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Empathy Research skills Perseverance Time-management and organisation skills. Future scientists virtual Science Club Future Learn resource sharing on Science Club Science week activities and assemblies 	<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>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Assessment objectives: A01,A02 and A03</p> <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Revision skills Empathy Time management Perseverance Work Experience Summer Schools at Universities CERN visit TBC Future scientists virtual Science Club Future Learn resource sharing on Science Club



CURRICULUM MAP

Term	AQA Advanced Year 13 Physics	Term	AQA Advanced Year 13 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 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><u>Physics</u></p> <ul style="list-style-type: none"> • Further Mechanics • Fields <p><u>Assessment objectives: A01,A02 and A03</u></p> <p><u>Enrichment/life and work skills:</u></p> <ul style="list-style-type: none"> • Group work/collaboration • Research skills • Public speaking • University visits • UCAS Applications • Virtual visits and work experience • Open evening participation • Future scientists virtual Science Club <p><u>Assessments</u></p> <p>CPAC's for required practical</p> <p>Year 13 Assessment 1</p> <p>Year 13 PPE 1</p> <p>Year 13 EOC Test/EOC HWK</p>	<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>Maths skills in Physics at A-Level</p> <p>Limitation of physical measurements</p> <p>Computational modelling.</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>Specimen question papers and mark schemes to practise and Examiners report's.</p>	<p><u>Physics</u></p> <p>Option D –Turning Points</p> <p>Comparison of AS and A-Level Practical's</p> <p><u>Assessment objectives: A01,A02 and A03</u></p> <p><u>Enrichment/life and work skills:</u></p> <ul style="list-style-type: none"> • Creativity • Public speaking • Empathy <p>Future scientists virtual Science Club</p> <p><u>Assessments:</u></p> <p>CPAC's for Required Practical's</p> <p>Year 13 EOC Test/EOC HWK</p>
<p>Spring: 10 weeks</p> <p>Literacy foci</p> <p>Scientific 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>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>Specimen question papers and mark schemes to practise and Examiners report's</p>	<p><u>Physics</u></p> <ul style="list-style-type: none"> • Nuclear Physics • Option D – Turning points <p><u>Assessment objectives: A01, A02 and A03</u></p> <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p><u>Enrichment/life and work skills:</u></p> <ul style="list-style-type: none"> • Empathy • Research skills • Perseverance • University Open Days • UCAS Applications • Future scientists virtual Science Club • Future Learn resource sharing on Science Club • Science week activities and assemblies • Science week activities and assemblies <p><u>Assessments</u></p> <p>Year 13 PPE 2</p> <p>Year 13 EOC Test/EOC HWK</p> <p>CPAC's for Required Practical'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><u>Assessment objectives: A01,A02 and A03</u></p> <p><u>Enrichment/life and work skills:</u></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><u>Assessments</u></p> <p>A-level Examinations</p>