

The progressive, inclusive curriculum 'skills, knowledge and concepts: literacy, life skills and enrichment'

CURRICULUM MAP – AS Physics



Term	Advanced Year 12 Physics	Term	Advanced Year 12 Physics
<p>Autumn: 12 weeks</p> <p>Literacy foci Reading skills Terminology and vocabulary Writing skills Harvard Referencing Numeracy Foci Maths skills in Physics at AS Use of SI units and their prefixes Homework Exam Question Homework Group projects and presentations Transition Work –Summer Holidays 'Writing' plenaries activities Revisiting, revising, remembering opportunities Past examination homework questions Required practical's Flipped learning Assessments Year12 Transition Work Year 12 Assessment 1 • SIMS Data drop: Monday 12th Oct Year 12 EOC Test/EOC HWK CPAC's for Required Practical's</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 University visits Online Open days 	<p>Summer 1: 7 weeks</p> <p>Literacy Foci Reading skills Terminology and vocabulary Writing skills Harvard Referencing Numeracy foci Limitation of physical measurements Determine the intercept and slope of a linear graph. Use ratios and fractions when analysing potential divider circuits. Homework Past exam paper questions Required practical Research using Harvard referencing Revisiting, revising, remembering opportunities 'Writing' starters activities Past examination homework questions Required practical's Flipped learning Assessments: CPAC's for Required Practical's End of Chapter Tests</p>	<p>Physics AQA</p> <p>Optics 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
<p>Spring: 10 weeks</p> <p>Literacy foci Scientific Terminology and vocabulary Writing skills Harvard Referencing Numeracy Foci Maths skills in Physics at AS Estimation of Physical Quantities Homework Exam Question Homework Required practical Research 'Writing' plenaries activities Revisiting, revising, remembering opportunities Past examination homework questions Required practical's Flipped learning Assessments Year 12 Assessment 2 • SIMS Data drop: Friday 19th March Year 12 EOC Test/EOC HWK CPAC's for Required Practical's</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. 	<p>Summer 2: 4 weeks revising for EOY 2 weeks</p> <p>Literacy foci Reading skills Terminology and vocabulary Writing skills Harvard Referencing UCAS applications Numeracy Recapping Maths skills in Physics at AS Homework Practise papers and revision tasks Revisiting, revising, remembering opportunities Specimen question papers and mark schemes to practice</p> <p>Assessments Year 12 PPE • SIMS Data drop: Fri 9th July Year 12 EOC Test/EOC HWK</p>	<p>Revising 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 We will be looking at online opportunities such as a virtual visit.

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CURRICULUM MAP

Term	Advanced Year 13 Physics	Term	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>Physics</p> <ul style="list-style-type: none"> Further Mechanics Fields <p>Assessment objectives: A01,A02 and A03</p> <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Group work/collaboration Research skills Public speaking University visits UCAS Applications Virtual visits and work experience <p>Assessments</p> <p>Year 13 Transition Work</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>Physics</p> <p>Option D –Turning Points</p> <p>Comparison of AS and A-Level Practical's</p> <p>Assessment objectives: A01,A02 and A03</p> <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Creativity Public speaking Empathy <p>Assessments:</p> <p>CPAC's for Required Practical's</p> <p>End of Chapter Tests</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>Physics</p> <ul style="list-style-type: none"> Nuclear Physics <p>Assessment objectives: A01, A02 and A03</p> <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Empathy Research skills Perseverance University Open Days UCAS Applications <p>Assessments</p> <p>Year 13 PPE</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>Assessment objectives: A01,A02 and A03</p> <p>Blended learning for students that are self-isolating to reduce the knowledge gap.</p> <p>Enrichment/life and work skills:</p> <p>Revision skills</p> <p>Empathy</p> <p>Time management</p> <p>Perseverance</p> <p>Assessments</p> <p>A-level Examinations</p>