

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

CURRICULUM MAP – AS Physics

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Term	Advanced Year 12 Physics	Term	Advanced Year 12 Physics		
Autumn 12 wooks	Physics AOA	Summer 1: 7 weeks			
Autumn: 12 weeks	Physics AQA	Literacy Foci			
Literacy faci	Matter and Radiation	Reading skills	Physics AOA		
Literacy foci Reading skills	Quarks and Leptons	Terminology and vocabulary	Physics AQA		
Terminology and vocabulary	Quantum Phenomenon	Writing skills	Optics		
Writing skills	Forces in Equilibrium	Harvard Referencing	Electricity		
Harvard Referencing	On the move	Numeracy foci			
Numeracy Foci	Newton's Law of Motion	Limitation of physical measurements	Blended learning for students that are self-isolating to reduce the		
Maths skills in Physics at AS		Determine the intercept and slope of a linear	knowledge gap.		
Use of SI units and their prefixes	Blended learning for students that are self-isolating to reduce the knowledge	graph.			
Homework		Use ratios and fractions when analysing potential			
Exam Question Homework	gap.	divider circuits.			
Group projects and presentations	Assessment objectives: A01, A02 and A03	Homework	Assessment objectives: A01,A02 and A03		
Transition Work –Summer Holidays		Past exam paper questions	ASSESSMENT ONJECTIVES. AND JANE UNIT AND		
'Writing' plenaries activities	Enrichment/life and work skills:	Required practical Research using Harvard	Fraishmant /life and would alville		
Revisiting, revising, remembering opportunities	Group work/collaboration	referencing	Enrichment/life and work skills:		
Past examination homework questions	Research skills and Scientific enquiry	Revisiting, revising, remembering opportunities	• Creativity		
Required practical's	University visits	'Writing' starters activities	Public speaking		
Flipped learning	Online Open days	Past examination homework questions	• Empathy		
Assessments	• Trips	Required practical's	UCAS Applications -Introduction		
Year12 Transition Work	Extended projects	Flipped learning			
Year 12 Assessment 1	Future scientists virtual Science Club	Assessments:			
Year 12 EOC Test/EOC HWK	Future Learn resource sharing on Science Club	CPAC's for Required Practical's			
CPAC's for Required Practical's	Future Learn resource sharing on science club	End of Chapter Tests			
Pupil Progress tracker		Targeted feedback			
		Peer assessment for EOC tests	B. Char		
Spring: 10 weeks	Physics AQA	Summer 2: 4 weeks revising for EOY 2 weeks	Revising		
Literacy foci	• Waves	Literacy foci	Paper AS Paper 1 and Paper2		
Scientific Terminology and vocabulary	Work ,Energy and Power	Reading skills Terminology and vocabulary	Blended learning for students that are self-isolating to reduce the		
Writing skills Harvard Referencing	Materials U	Writing skills	knowledge gap.		
Numeracy Foci	Blended learning for students that are self-isolating to reduce the knowledge	Harvard Referencing	Assessment objectives: A01,A02 and A03		
Maths skills in Physics at AS	gap.	UCAS applications	Enrichment/life and work skills:		
Estimation of Physical Quantities	Assessment objectives: A01, A02 and A03	Numeracy	Revision skills		
Homework Exam Question Homework	Enrichment/life and work skills:	Recapping Maths skills in Physics at AS	Empathy		
Required practical Research		Homework	Time management		
'Writing' plenaries activities	• Empathy	Practise papers and revision tasks	Perseverance		
Revisiting, revising, remembering opportunities	Research skills	Revisiting, revising, remembering	Work Experience		
Past examination homework questions	Perseverance	opportunities	Summer Schools at Universities		
Required practical's	Time-management and organisation skills.	Specimen question papers and mark schemes to			
Flipped learning	Future scientists virtual Science Club	practice	CERN visit TBC		
Assessments	Future Learn resource sharing on Science Club	Assessments	Future scientists virtual Science Club		
Year 12 Assessment 2	Science week activities and assemblies	Year 12 PPE Year 12 EOC Test/EOC HWK	Future Learn resource sharing on Science Club		



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Term	AQA Advanced Year 13 Physics	Term	AQA Advanced Year 13 Physics	
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Autumn: 12 weeks	<u>Physics</u>	Summer 1: 7 weeks	Physics	
	Further Mechanics	Literacy Foci	Option D –Turning Points	
Literacy foci	• Fields	Reading skills		
Reading skills	Assessment objectives: A01,A02 and A03	Terminology and vocabulary	Comparison of AS and A-Level Practical's	
Terminology and vocabulary		Writing skills		
Writing skills	Enrichment/life and work skills:	Harvard Referencing	Assessment objectives: A01,A02 and A03	
Harvard Referencing	Group work/collaboration	Numeracy foci		
Numeracy Foci	Research skills	Maths skills in Physics at A-Level	Enrichment/life and work skills:	
Maths skills in Physics at A-Level	Public speaking	Limitation of physical measurements	Creativity	
Use of SI units and their prefixes	University visits	Computational modelling.	Public speaking	
Homework	UCAS Applications	Homework		
Exam Question Homework	Virtual visits and work experience	Past exam paper questions	• Empathy	
Group projects and presentations	Open evening participation	Required practical Research using Harvard		
Transition Work AS to A-Level –Summer Holidays	Future scientists virtual Science Club	referencing	Future scientists virtual Science Club	
'Writing' plenaries activities		Revisiting, revising, remembering		
Revisiting, revising, remembering opportunities	<u>Assessments</u>	opportunities	Assessments:	
Past examination homework questions	CPAC's for required practical	'writing' starters activities	CPAC's for Required Practical's	
Required practical's	Year 13 Assessment 1	Past examination homework questions	Year 13 EOC Test/EOC HWK	
Flipped learning	Year 13 PPE 1	Required practical's	1641 10 100 1654 100 11111	
Revising Content	Year 13 EOC Test/EOC HWK	Flipped learning		
Specimen question papers and mark schemes to		Specimen question papers and mark schemes		
practise and Examiners report's		to practise and Examiners report's.		
Spring: 10 weeks	Dhusia	Summer 2: 4 weeks revising for EOY 2 weeks	Revising	
Spring: 10 weeks	Physics Nuclear Physics	Sammer 2. 4 weeks revising for 2012 weeks		
Litaranyfaci	·	Literacy foci	Paper A-Level Paper 1 ,Paper 2 and Paper 3	
Literacy foci Scientific Terminology and vocabulary	Option D – Turning points Assessment objectives: A01, A02 and A03	Reading skills		
		Terminology and vocabulary	Assessment objectives: A01,A02 and A03	
Writing skills	Blended learning for students that are self-isolating to reduce the knowledge gap.	Writing skills		
Harvard Referencing Numeracy Foci	Enrichment/life and work skills: • Empathy	Harvard Referencing	Enrichment/life and work skills:	
Maths skills in Physics at A-Level	Research skills	UCAS applications	Revision skills	
Estimation of Physical Quantities	Perseverance	Numeracy	Empathy	
Homework	University Open Days	Recapping Maths skills in Physics at AS	Time management	
Exam Question Homework	UCAS Applications	Homework	Perseverance	
Required practical Research	Future scientists virtual Science Club	Practise papers and revision tasks		
'Writing' plenaries activities	Future Scientists Virtual Science Club Future Learn resource sharing on Science Club	Revisiting, revising, remembering	Future scientists virtual Science Club	
Revisiting, revising, remembering opportunities	Science week activities and assemblies	opportunities	Future Learn resource sharing on Science Club	
Past examination homework questions	Science week activities and assemblies Science week activities and assemblies	Specimen question papers and mark schemes		
Required practical's	Assessments	to practice.	Assessments	
Flipped learning	Year 13 PPE 2		A-level Examinations	
Specimen question papers and mark schemes to	Year 13 EOC Test/EOC HWK			
practise and Examiners report's	CPAC's for Required Practical's			
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