

Curriculum Map for KS5 Physics. (Awarding Body: AQA) 2025 - 26.

Year 12	Autumn 1		Autumn 2	Spring 1		Spring 2	Summer 1		Summer 2
Topic	Topic 1: Measurements & their Errors - Use of SI units & their Prefixes - Limitation of Physical Measurements - Estimation of Physical Quantities Topic 3a: Waves - Progressive & Stationary Waves	Year 12 Exam GCSE base line test	Topic 3b: Waves - Refraction, Diffraction & Interference Topic 4a: Mechanics & Materials - Force, Energy & Momentum. Topic 2a: particles and Radiation.	Continue topic 2: Particles & Radiation. Topic 4b: Mechanics & Materials. Review all topics covered: Mechanics, Waves and particles & Rad.	Year 12 Exam AS Paper 1	Topic 5: Electricity - Current Electricity.... - Review of all topics covered. Topic 6a: Introduce periodic motion. SHM and Circular motion.	Continue topic 6a: Further mechanics (periodic motion). Review of practical skills. Review of all topics covered. -	Paper 1 A-level exam paper. Continue development of practical skills. To review all topics covered using challenging and more interesting task. To prepare for year 13.	
Assessment	1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills		1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills	1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills		1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills	1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills		5. End of topic tests 6. Assessed HW 7. Research tasks 8. Practical skills
Link with GCE Skills and AOs	AO1, AO2 and AO3		AO1, AO2 and AO3	AO1, AO2 and AO3		AO1, AO2 and AO3	AO1, AO2 and AO3		AO1, AO2 and AO3
Enrichment	Robotics / Coding Projects runs throughout the year. Revision sessions and catch ups twice a week.								

Year 13	Autumn 1		Autumn 2	Spring 1		Spring 2	Summer 1		Summer 2
Topic	<i>Review Topic 6:</i> - Simple Harmonic Motion and circular motion and yr 1 topics <i>Topic 7a: Fields & Their Consequences</i> - Fields - Gravitational Fields - Electric Fields <i>Topic 6b: Thermal Physics and gas law.</i> <i>Start the option Topic 9</i>	Year 13 Exam A2 Paper 1	<i>Topic 7b: Fields & Their Consequences</i> - Electric Fields. - Capacitance. - Magnetic Fields. <i>Topic 8: Nuclear Physics:</i> - Radioactivity. -Nuclear energy.	- Review Practical skill. <i>Continue/Review of Topic 8: Nuclear Physics (Themed Questions/ Challenges).</i> <i>Review paper 1& paper 2.</i>	Year 13 Exam A2 Paper 1 and 2	<i>Topic 9: continue with options.</i> <i>Revision of Paper 1 and 2 content.</i> <i>Review practical skills paper 3.</i>	<i>Revision of Paper 1, 2 and 3 content.</i> <i>Quick tests.</i> <i>Option & key skills tests</i>	AQA Exam Season	Exam Season
Assessment	1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills		1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills	1. End of topic tests 2. Assessed HW 3. Research tasks 4. Practical skills		Assessed HW	Assessed HW		x
Link with GCSE Skills and AOs	AO1, AO2 and AO3		AO1, AO2 and AO3	AO1, AO2 and AO3		AO1, AO2 and AO3	AO1, AO2 and AO3		AO1, AO2 and AO3
Enrichments and options	- Option topics, Engineering, Turning points, Astrophysics. Takes place on wed afternoon through the Autumn and spring 1 terms. - Revision twice a week (small group).								
AOs	Assessment objectives (AOs) are set by Ofqual and are the same across all AS and A-level Physics specifications and all exam boards. The exams will measure how students have achieved the following assessment objectives. - AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques, and procedures. - AO2: Apply knowledge and understanding of scientific ideas, processes, techniques, and procedures: - in a theoretical context - in a practical context - when handling qualitative data - AO3: Analyse, interpret and evaluate scientific information, ideas, and evidence, including in relation to issues, to: - make judgements and reach conclusions. Develop +and refine practical design and procedures.								

