

INTENT-

- To develop knowledge and understanding of key scientific principles in the AQA Physics specification
- To gain proficiency of skills needed to complete assessment points and access various required practicals
- To gain confidence and enjoyment of the subject and inspire further study post-18

The bigger picture:

Year 13 curriculum is a continuance of the AQA AS Physics curriculum. Many concepts are revisited albeit in more detail to allow students an even deeper understanding of the topic. Students will develop key mathematical skills and problem solving skills in order to explain familiar and unfamiliar scenarios.

**Bilton School Planning for Progress over Time
Programme of Study 2024/25**

IMPLEMENTATION

	Term 1 Fields and Further Mechanics								Term 2 Nuclear Physics + Astrophysics								Term 3								Term 4 Solubility Investigation, Electricity								Term 5 Electricity, Atoms & Elements								Term 6 Ecosystems, Ecosystems Project							
KS5	02/09/2024	09/09/2024	16/09/2024	23/09/2024	30/09/2024	07/10/2024	14/10/2024	21/10/2024	HOLIDAY: 1 WEEK	04/11/2024	11/11/2024	18/11/2024	25/11/2024	02/12/2024	09/12/2024	16/12/2024	HOLIDAY: 2 WEEKS	03/01/2025	06/01/2025	13/01/2025	20/01/2025	27/01/2025	03/02/2025	10/02/2025	HOLIDAY: 1 WEEK	24/02/2025	03/03/2025	10/03/2025	17/03/2025	24/03/2025	31/03/2025	07/04/2025	HOLIDAY: 2 WEEKS	28/04/2025	05/05/2025	12/05/2025	19/05/2025	HOLIDAY: 1 WEEK	02/06/2025	09/06/2025	16/06/2025	23/06/2025	30/06/2025	07/07/2025	14/07/2025			
Year 13	L1 + L2 Efields + L1 + L2 Magnetic fields	L3 + L4 Magnetic fields + L5 Flux density RP + L6 Magnetic fields	Electric fields RP + Revise fields + Fields ET	L1 + L2 Circular Motion + L3 + L4 SHM	L4 SHM RC + L5 SHM + L6 + L7 SHM	L8 SHM + MT + L9 Thermal energy + Feedback	L10 + L11 Thermal energy + L12 + L13 Thermal energy	L14 Boyles law RC + L15 Gases + L16 F. Mechanics + Thermal Revision + ET		L1 + L2 Nuclear physics + L3 Inverse square RC + L4 Nuclear Physics	PPE1 / Revision + Capacitance RP	PPE1	PPE1	L5 Nuclear Physics+ MT + L6 + L7 Nuclear Physics + Feedback	L8 + L9 Nuclear Physics + Nuclear Physics Revision + ET	L1 +L2 Astrophysics + L3 + L4 Astrophysics		L5 + L6 Astrophysics + L7 + L8 Astrophysics	L9 + L10 Astrophysics + Astrophysics revision, Astrophysics ET	Paper 1 Revision	Paper 2 Revision	Paper 2 Revision	Paper 3 Revision	Paper 3 Revision		PPE2	PPE2	Required Practical revision / Catch-up	Required Practical revision / Catch-up	PPQ Paper 1	PPQ Paper 1	PPQ Paper 2		PPQ Paper 2	PPQ Paper 3	PPQ Paper 3												
Progress and assessment	End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.								End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.								End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.								End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.																							
Required Practical (RP)	Flux Density Flux Linkage Simple Harmonic Motion								Inverse square law Boyles Law Capacitance																																							
Homework <i>(ensure that this is NOT stand alone, but clearly advances or embeds knowledge and understanding)</i>	Uplearn to be used during study sessions Weekly Educake quiz								Uplearn to be used during study sessions Weekly Educake quiz								Uplearn to be used during study sessions Weekly Educake quiz								Uplearn to be used during study sessions Weekly Educake quiz																							
Key Vocabulary/literacy opportunities																																																
National Curriculum Links																																																
Connected knowledge																																																