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 12 curriculum is a continuance of the KS4 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 2023/24

IMPLEMENTATION

	Term 1 Atoms + Radiation (CK), Waves (KD)								HOLIDAY: 1 WEEK	Term 2 Atoms + Radiation (CK), Electricity (CK), Mechanics and Materials (KD)							HOLIDAY: 2 WEEKS	Term 3 Electricity (CK), Mechanics and Materials (KD)					HOLIDAY: 1 WEEK	Term 4 Electricity (CK), Fields (CK), Mechanics and Materials (KD), Further mechanics (KD)					HOLIDAY:	Term 5							HOLIDAY: 1 WEEK	Term 6						
KS4	04/09/2023	11/09/2023	18/09/2023	25/09/2023	02/10/2023	09/10/2023	16/10/2023	23/10/2023		06/11/2023	13/11/2023	20/11/2023	27/11/2023	04/12/2023	11/12/2023	18/12/2023		08/01/2024	15/01/2024	22/01/2024	29/01/2024	05/02/2024		19/02/2024	26/02/2024	04/03/2024	11/03/2024	18/03/2024		08/04/2024	15/04/2024	22/04/2024	29/04/2024	06/05/2024	13/05/2024	20/05/2024		03/06/2024	10/06/2024	17/06/2024	24/06/2024	01/07/2024	08/07/2024	15/07/2024
Year 12 CXK	Head start revision	Head start revision + test	Introduction to AS L1 + Atoms and radiation L1	Atoms and Radiation L2, L3	Atoms and Radiation L4, L5	Atoms and Radiation L6, L7	Atoms and Radiation M1, L8	Atoms and Radiation L9, L10		Atoms and Radiation L11, L12	Atoms and Radiation L13, L14	Atoms and Radiation L15, L16	Atoms and Radiation L17, L18	Atoms and Radiation L19 , ET	Electricity L1, Feedback Atoms ET	Electricity L2, L3		Electricity L4, L5	ElectricityL6, L7 RQ	Electricity MT, L8	Electricity L9, L10	Electricity L11, ET		PPE2	PPE2	Capacitance L1, Electricity feedback ET	L2+ L3 Capacitance + PPE Paper 2	L4 + L5 Capacitance		L6 + L7 Capacitance	L8 + L9 Capacitance	Capacitance RQ	Capacitance Revision + MT	Recap Particles + PPQ	Recap Particles + PPQ	Recap electricity + PPQ		Recap electricity +PPQ	RQ recap + PPQ	Past paper practise	Past paper practise			
KXD	Head start revision	Head start revision	Intro to A level lesson 2 + Waves L1	Waves L2, L3	Waves L4, L5 Standing waves RQ	Waves L6, L7	Waves M1, L8	Waves L9, MT review		Waves L10, L11	Waves 12, 13	Waves Revision, ET	Mechanics L1, L2	Mechanics L3, L4	Mechanics L5, L6	Mechanics L7, L8 Gravity RQ		Mechanics L9, L10	Mechanics M1, Mt feedback	Mechanics L11, L12	Mechanics L13, L14	Mechanics L15, L16		PPE2	PPE2	Mechanics L19 YM RQ, Revision	Mechanics ET feedback + PPE Paper 2	Further Mechanics L1, L2		Further Mechanics L3, L4	Further Mechanics L5, L6	Further Mechanics L7, L8	Further Mechanics L9 SHM RQ + MT	Recap waves + PPQ	Recap waves + PPQ	Recap mechanics +PPQ		Recap mechanics + PPQ	RQ recap +PPQ	Past paper practise	Past paper practise			
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.**						**End of topic test (ETT)** **Follow on questions to test previous knowledge through the Unit.** **Past Paper Questions**								**End of topic test (ETT)** **Follow on questions to test previous knowledge through the Unit.** **Past Paper Questions**						
Required Practical (RP)	**Standing waves (KD)** **Diffraction gratings (KD)**									**Resistivity (CK)** **Acceleration due to gravity (KD)**								**Electromotive Force (CK)**						**Young's modulus (KD)**						**Capacitance (CK)**														
Homework *(ensure that this is NOT stand alone, but clearly advances or embeds knowledge and understanding)*	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						Uplearn to be used during study sessions Weekly Educake quiz								Uplearn to be used during study sessions Weekly Educake quiz						