

Unit 1	Unit 6
Unit 2	Unit 8
Unit 3	Unit 15
Unit 4	
Unit 5	



The Core Themes in Forensic BTEC

The **Forensics** curriculum at Walton High School is **evidence-informed** in its design.

- Knowledge is organised into **core themes** which are **sequenced** effectively over many years. Students make explicit **links** between different biological concepts.
- Knowledge is **sequenced** to ensure that students have the **pre-requisite knowledge** necessary to learn new concepts. This **reduces cognitive load** and maximises retention of new learning.
- Knowledge is **revisited** over key stages, gradually increasing in complexity in a **spiral curriculum** design. This deepens knowledge and understanding of biological concepts.
- We have specified the key knowledge in our KS3/4 curriculum through the use of **Core Knowledge questions**.



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Year Group	HT1 (Sept-Oct)	HT2 (Nov-Dec)	HT3 (Jan-Feb)	HT4 (March-April)	HT5 (April-May)	HT6 (June-July)
	Unit 1 Cell Structure and Function	Unit 1 Cell Specialisation	Unit 1 Tissue Structure and Function	Unit 3 Enzymes in Action	Unit 3 Diffusion of molecules	Unit 3 Plants and their environment
	Unit 1 Production and uses of substances	Unit 1 Structure and bonding in applications	Unit 1 Assessment preparation	Unit 3 Planning a Scientific Investigation Data Collection and Analysis	Unit 3 Energy Content in Fuels	Practical skills revision
	Unit 1 Working with waves	Unit 1 Waves in communication	Unit 1 Use of EM waves	Unit 3 Electrical Circuits	Unit 3 Drawing conclusions and evaluations	Practical Skills revision
	Unit 4 Crime scene processing	Unit 4 Chemical techniques	Unit 4 Physical Techniques	Unit 4 Biological Techniques	Unit 4 Coursework finalisation	Unit 5 The nature of crime
	Unit 2 Lab work and colorimetry	Unit 2 Thermometers and cooling curves	Unit 2 Chromatography	Unit 2 Personal Skills and professional practice	Unit 2 Coursework finalisation	Unit 15 Matrices and their composition
	Unit 8 Musculoskeletal disorders	Unit 8 Musculoskeletal disorders	Unit 8 Impact of lymphatic disorders and treatments	Unit 8 Impact of lymphatic disorders and treatments	Unit 8 Nutrition and health	Unit 8 Nutrition and health



Year Group	HT1 (Sept-Oct)	HT2 (Nov-Dec)	HT3 (Jan-Feb)	HT4 (March-April)	HT5 (April-May)	HT6 (June-July)
13	Unit 5 Revision of the nature of crime	Unit 5 Revision of the nature of crime	Coursework resubmission and catch up	Coursework resubmission and catch up	PUBLIC EXAMS	
	Unit 1 Biology Revision	Unit 1 Chemistry Revision	Unit 1 Physics Revision	Unit 1 General skills Revision		
	Unit 5 Crime prevention and punishment	Unit 5 The impact of crime on society	Unit 5 Revision for January exams	Unit 5 Resit revision		
	Unit 6 The legal system	Unit 6 Crime scene to court	Unit 6 Mock trial	Unit 6 Coursework finalisation and submission		
	Unit 3 Revision	Unit 3 Revision	Unit 3 Revision	Unit 3		
	Unit 15 Spectroscopy	Unit 15 Spectroscopy	Unit 15 Chromatography	Unit 15 Chromatography		