

Sixth Form Subject Information

BTEC Applied Science

Qualification	Level 3 BTEC Extended Certificate in Applied Science	
Exam Board	Pearson/Edexcel	
Course Leader	Miss Golley	
Course summary	The level 3 BTEC in Applied Science uses a combination of assessment styles to enable students to gain the confidence and knowledge they need to succeed in their next steps either at higher education or in the workplace. The course has elements of Physics, Chemistry and Biology and has a blended approach to assessment with both coursework and exam components.	
What will students learn	Exam content	<ul style="list-style-type: none"> • The structure of the atom • The trends, patterns and properties in the periodic table • How the properties of elements link to their application and uses in industry • The Production of compounds, including making Aspirin • Cell specialisation • Nerve cells and tissues, linking their structure to their function • Heart disease, including the risk factors and treatment • Wave form • Waves in communication • Electromagnetic waves in communication
	<ul style="list-style-type: none"> • Coursework content 	<ul style="list-style-type: none"> • Health and safety in the science work place • The production of Aspirin (includes making your own) • Laboratory information systems • The Production of organic solvents (includes making your own) • Learning how to use a wide range of scientific equipment in practical situations
How will students be assessed?	<ul style="list-style-type: none"> • Students will be required to complete a total of 4 units, 3 of which are mandatory and dictated by the exam board. • Principles and applications of science (Externally assessed by written exams) • Practical scientific techniques (Internally assessed by coursework) • Science investigation skills (Externally assessed by written exam with a practical component) 	

	<ul style="list-style-type: none"> • The final unit is determined by us here at Wrenn and can be selected from a wide range, and are internally assessed by coursework, for example; • Physiology of Human body systems • Disease and infection
Differentiation	The teachers will ensure that students get formative feedback on coursework submitted to facilitate access to Merit and Distinction grade. Revision guides and support materials will also be available for the exam components
Resources	Pearson BTEC National applied science Student book 1 Applied science: Revision guide ISBN 9781292327648