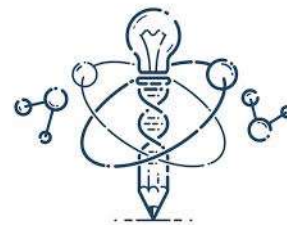


Sixth Form Subject Information

Applied Science



Qualification	Level 3 Extended Certificate Applied Science
Exam Board	Edexcel
Course Leader	Mr P. Chapman
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?	<p><u>Exam Content</u></p> <p>The structure of the atom</p> <ul style="list-style-type: none">• 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 <p><u>Coursework</u></p> <ul style="list-style-type: none">• Preparing and using Standard solutions• Colourimetry• Chromatography• Calorimetry and cooling curves
How will students be assessed?	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)