

Subject Name	Pearson BTEC Level 1/Level 2 First Award in Principles of Applied Science
Exam board	Pearson
QAN Code	600/4787/2
Overview of subject	<p>As the unit is split into 4 units, each unit has its own aim for what students will achieve during that specific unit.</p> <p><u>Unit 1 - Principles of science -</u> In this unit our learners will: A explore cells, organs and genes B explore the roles of the nervous and endocrine systems in homeostasis and communication C explore atomic structure and the periodic table D explore substances and chemical reactions E explore the importance of energy stores, energy transfers and energy transformations F explore the properties and applications of waves in the electromagnetic spectrum.</p> <p><u>Unit 2 - Chemistry and Our Earth -</u> In this unit our learners will: A investigate chemical reactivity and bonding B investigate how the uses of chemical substances depend on their chemical and physical properties C investigate the factors involved in the rate of chemical reactions D understands the factors that are affecting the Earth and its environment.</p> <p><u>Unit 3 - Energy and Our Universe -</u> In this unit our learners will: A understand ionising radiation, its uses and sources B know how electrical energy produced from different sources can be transferred through the National Grid to homes and industry C know the components of the Solar System, the way the Universe is changing and the methods we use to explore space.</p> <p><u>Unit 4 - Biology and Our Environment -</u> In this unit our learners will: A investigate the relationships that different</p>

	<p>organisms have with each other and with their environment</p> <p>B demonstrate an understanding of the effects of human activity on the environment and how these effects can be measured</p> <p>C explore the factors that affect human health.</p>
<p>How is the qualification examined?</p>	<p>The qualification is split into 4 units.</p> <p>Unit 1 - Principles of science - External exam</p> <p>Unit 2 - Chemistry and Our Earth - Internal coursework</p> <p>Unit 3 - Energy and Our Universe - Internal coursework</p> <p>Unit 4 - Biology and Our Environment - Internal coursework</p>
<p>Any further information</p>	<p>Students will have the opportunity to learn different topics in Biology, Chemistry and Physics but also gain a love for the subject in a practical and hands on way.</p>