



Applied Science BTEC Extended Certificate (Single)


Prepared by: E Willmott

 **Exam Board: Pearson**

 **Course Specification**
 Please scan QR Code


 **Course Text Books**
 BTEC National Applied Science Student Book 1 ISBN: 9781292134093

 **Course Revision Guides**
 BTEC National Applied Science Revision Guide (second edition) ISBN: 9781292327648

 **Examinations**

Summer Year 12		
Unit 1B Principles and Applications of Science – Biology	40 min	35%
Unit 1C Principles and Applications of Science – Chemistry	40min	35%
Unit 1P Principles and Applications of Science – Physics	40min	30%

January Year 13		
Unit 3A Science Investigation Skills	40min	
Unit 3B Science Investigation Skills	1hr 30min	

 **Coursework**

Summer Year 12		
Unit 2 Practical Scientific Procedures		
January Year 13		
Unit 8 Physiology of Human Body Systems		

Curriculum



Year 12

Term1	Unit 1 Biology Unit 2 Practical Scientific Procedures -Learning Aim B - Undertake calorimetry to study cooling curves	ALT Report October
Term 2	Unit 1 Biology Unit 2 Practical Scientific Procedures -Learning Aim C - Undertake chromatographic techniques to identify components in mixtures	Progress 1 Report November
Term 3	Unit 1 Physics Unit 2 Practical Scientific Procedures - Learning Aim A - Undertake titration and colorimetry to determine the concentration of solutions	Progress 2 Report January
Term 4	Unit 1 Physics Unit 1 Chemistry	
Term 5	Unit 1 Physics Unit 1 Chemistry Unit 2 Practical Scientific Procedures - Learning Aim D - Review Personal development of scientific skills for laboratory work	Exams May / June Progress 3 Report May
Term 6	Unit 2 Practical Scientific Procedures - Learning Aim D - Review Personal development of scientific skills for laboratory work	

Year 13

Term1	Unit 3 Science Investigation Skills A task set and marked by Pearson and completed under supervised conditions	ATL Report October
Term 2	Unit 3 Science Investigation Skills A task set and marked by Pearson and completed under supervised conditions	Progress 1 Report November
Term 3	Unit 3 Science Investigation Skills A task set and marked by Pearson and completed under supervised conditions Unit 8 Physiology of Human Body Systems - Learning Aim A - Understand the impact of disorders of the musculoskeletal system and their associated corrective treatments	Exams January Progress 2 Report January
Term 4	Unit 8 Physiology of Human Body Systems - Learning Aim B - Understand the impact of disorder on the physiology of the lymphatic system and the associated corrective treatment	
Term 5	Unit 8 Physiology of Human Body Systems - Learning Aim C - Explore the physiology of the digestive system and the use of corrective treatments for dietary related diseases.	Examinations
Term 6	Unit 8 Coursework Completion	Examinations