

Level 3 AAQ in Applied Science (Extended Certificate) - Curriculum Plan

Qualification: Pearson BTEC Level 3 National Extended Certificate in Applied Science (AAQ)

Delivery: 2 Years

Mandatory Units: Unit 1 (Biology), Unit 2 (Chemistry), Unit 3 (Physics), Unit 4 (Practical Skills)

Optional Unit: Either Unit 5 (Investigation Skills) or Unit 6 (Contemporary Issues in Science)

Year 1: Core Principles & External Assessment (Units 1, 2, & 3)

Focus: Delivering the three externally examined mandatory units.

Term	Unit Focus	Module / Topic Detail	Assessment / Key Dates
Term 1.1	Unit 1: Principles and Applications of Biology Unit 2: Principles and Applications of Chemistry Unit 3: Principles and Applications of Physics	Principles of Cell Biology and Biological Molecules.	
Term 1.2			
Term 2.1		Periodicity, Structure and Bonding,Stoichiometry and chemical reactions	
Term 2.2		Core principles of Waves, Motion,Forces and electronics	
Term 3.1			
Term 3.2	Unit 1/2/3	Final Revision for all three External Exams.	UNIT 1, 2, & 3 EXTERNAL EXAMS (May/June).

Year 2: Practical Skills & Investigation/Contemporary Issues (Units 4 & 5/6)

Focus: Dedicated time for the two internally assessed, coursework-based units.

Term	Unit Focus	Module / Topic Detail	Assessment / Key Dates
Term 1.1	Unit 4: Practical Scientific Procedures and Techniques	Laboratory Safety, Risk Assessments, and Titrations (Volumetric Analysis).	
Term 1.2	Unit 4: Practical Scientific Procedures and Techniques	Colorimetry, Cooling Curves, and Chromatography Techniques.	Unit 4 PSAB (Internal Assessment) Submission.
Term 2.1	Unit 5/6 (Optional)	Unit 5 Option: Planning a Scientific Investigation (Hypothesis, Variables, Methods). Unit 6 Option: Researching and reporting on current scientific issues/debates.	UNIT 1, 2, & 3 RESIT OPPORTUNITY (January).
Term 2.2	Unit 5/6 (Optional)	Unit 5: Carrying out Investigation, Data Collection, and Statistical Analysis. Unit 6: Developing arguments and gathering evidence for the chosen issue.	
Term 3.1	Unit 5/6 (Optional)	Unit 5: Evaluation, Improvement, and Writing the Full Scientific Report. Unit 6: Final report writing and synthesizing arguments.	
Term 3.2	Unit 5/6	Final review, editing, and official submission.	Unit 5/6 Final Submission.