



## Curriculum Overview

At ICC we follow the Pearson BTEC Foundation Diploma Specification. The curriculum is sequenced to be delivered by two members of teaching staff and each unit is mapped to the big ideas from our KS3 and KS4 curriculum. Unit 1 is externally assessed with the opportunity to take the exam in January and to retake in May if desired. Each topic of this unit is assessed with end of topic summative assessments. Unit 2 is an internally assessed practical unit. Opportunities to consider rich questions and reference to futures are made where relevant throughout the course in order to help our students understand the present and plan for their own future. Unit 3 is externally assessed with the opportunity to take the exam in May and to retake in January of Y13 if desired

[Link to the specification](#)

[Link to the scheme of work](#)

		Teacher 1			Teacher 2		
		Topics	Practical's	Big idea	Topics	Practical's	Big idea
Autumn Term	First half	Unit 4: Learning aim A: Explore procedures used to preserve, collect and record forensic evidence from a simulated crime scene A1 At the crime scene A2 Procedures used to preserve, recover and record forensic evidence A3 Health and safety	Crime scene examination practical	 ORGANISMS  MATTER  REACTIONS	Unit 4: Learning aim B: Use analytical techniques to examine forensic evidence collected from a simulated crime scene B1 Biological evidence and biological analysis B2 Chemical evidence and chemical analysis B3 Physical evidence and analysis B4 Rationalising analytical techniques	Crime scene scenario Chemical tests and Fingerprinting Microscopes Paper-based enzyme digestion Gel electrophoresis Chromatography Spectroscopy	 ORGANISMS  MATTER  REACTIONS
	Second half	Unit 4: Learning aim C: Draw conclusions and report on the results of the analysis of forensic evidence C1 Interpretation of evidence C2 Presentation of analysis on forensic evidence		 ORGANISMS  MATTER  REACTIONS	Unit 10 Learning aim A: Explore the chemistry of combustion and methods for extinction and heat transfer A1 Chemistry of combustion A2 Methods used for extinguishing a fire A3 Heat transfer		 ORGANISMS  MATTER  REACTIONS



Spring Term	First half	<p>Unit 11: Learning aim A: Investigate factors that cause road traffic collisions and injury</p> <p>A1 Human factors A2 Environmental factors A3 Vehicle factors</p> <p>Learning aim B: Explore how science is used in the road traffic collision investigation process</p> <p>B1 Physics of movement and collision B2 Driver's reaction B3 Scientific road traffic investigation techniques</p>		 ORGANISMS   MATTER   REACTIONS	<p>Unit 10 Learning aim B: Explore the cause, phases, and behaviour of fire</p> <p>B1 Causes of a fire B2 Phases of a fire B3 Fire behaviour</p>		 ORGANISMS   MATTER   REACTIONS
	Second half	<p>Unit 11 Learning aim C: Use investigative techniques for road traffic collisions</p> <p>C1 Investigative techniques C2 Equipment and materials used at the scene C3 Investigation aids C4 Cost of traffic collisions</p>		 MATTER   FORCES	<p>Unit 10: Learning aim C: Understand methods involved in processing a fire scene and the role played by agencies in fire prevention and investigation</p> <p>C1 Fire scene • Role of the fire scene investigator C2 Witness evidence C3 Documentation C4 Agencies involved in fire prevention and investigation</p>		 ORGANISMS   MATTER   REACTIONS
Summer Term	First half	<p>Unit 11 Learning aim D: Understand legislation that applies to road traffic collision examination</p> <p>D1 Road traffic acts D2 Criminal justice system referral</p>		 MATTER   FORCES	<p>Revision for units 1 and 3 for those who have not resit.</p>		
	Second half						