



Archbishop Beck Catholic College

KS5 Scheme of Work

Year 13 Chemistry



Lesson Sequencing	The High 5 lesson : to be used throughout year	HAP further learning opportunities
<p>Teacher A</p> <p>Optical Isomerism, aldehydes and ketones, carboxylic acids and derivatives, aromatic chemistry, amines, polymers, amino acids and proteins and DNA, Nuclear Magnetic Resonance spectroscopy, chromatography, organic synthesis</p> <p>Teacher B</p> <p>Thermodynamics, rate equations, equilibrium constant K_p for homogeneous systems, acids and bases, electrode potentials and electrochemical cells, transition metals.</p>	<p>Consolidation: Tasks to support prior learning including past exam questions, focus on valiant vocabulary for topics already taught, mind maps, discussion tasks, assessment of exemplar answers to extended question.</p> <p>Modelling: Focus on scaffolding extended questions. Scaffolding with the use of tables, exemplar answers and mark schemes. Teacher led to start with then in groups, pairs and individually with the use of notes to support independence as confidence increases.</p> <p>Response and Feedback: Q & A, oral feedback to whole class and individuals, improvement tasks, extension tasks, peer improvement tasks, detailed marking of written tasks, next step marking.</p> <p>Challenge: use of relevant extension tasks, use of exam pro questions. Independent research of tasks. Challenge tasks set in response and feedback if appropriate.</p> <p>Independence: Use of articles to extend knowledge, research homework tasks, lab work, condensing notes in mind maps. Self and peer assessment.</p>	<p>Extension directed questioning, extended questions focus on all topics, use of authentic texts, increased use of extended vocabulary, and focus on key valiant vocabulary, challenge activities incorporated into response and feedback, peer support and self-assessment.</p> <p>Exam board web seminars accessed recorded and presented to students delivery by chief examiners.</p> <p>Careers week and employment opportunities, university visits to labs. University open days. University scholar's programme and social mobility programme. Exam booklets created to support independent learning. Absolute Chemistry Outreach programme.</p>