BEAL SIXTH FORM

CHEMISTRY
Course Overview for Years 12 -13

DETAILS OF COURSE
Students will follow the OCR A Chemistry Specification. The specification follows a flexible, content-led approach where the specification is divided into topics, each covering different key concepts of chemistry. Teaching of practical skills is integrated with the theoretical topics and they are assessed both through written papers and, for A level only, the Practical Endorsement. The OCR A course allows students to develop essential knowledge and understanding of different areas of Chemistry and how they relate to each other, alongside a deep appreciation of the skills, knowledge and understanding of scientific methods. Students will develop competence and confidence in a variety of practical, mathematical and problem solving skills, allowing them to develop their interest and enthusiasm in Chemistry
A Level: Module 1: Practical Skills in Chemistry Module 2: Foundations in Chemistry Module 3: Periodic Table and Energy Module 4: Core Organic Chemistry Module 5: Physical Chemistry and Transition Elements Module 6: Organic Chemistry and Analysis A-Level Practical Endorsement
ASSESSMENT: **A Level:** Paper 1: Periodic Table, Elements and Physical Chemistry (written paper) Paper 2: Synthesis and Analytical Techniques (written paper) Paper 3: Unified Chemistry (written paper) Practical Endorsement for Chemistry (non-examined assessment) Both papers assess content from all six modules
QUALITIES AND COMMITMENT EXPECTED FROM THE STUDENT: This is a fun yet intensive course. Students are required to be dedicated as well as committed to independent study. Students are expected to be pro-active in their learning and should aspire to achieve their target grade or above. At AS and A level it is expected that students demonstrate very high levels of practical skill. Students must purchase their own lab coats
THE FUTURE: The A Level Chemistry course is an excellent starting point for many careers including Medicine, Dentistry, Pharmacy and Pharmacology, to name a few

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TERM	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 12 Teacher 1	Atoms and Reactions (2.1)	Electrons, Bonding and Structure (2.2)	The Periodic Table (3.1) **Mid Year Assessment**	Physical Chemistry (3.2)	Classification & Evolution	Ecosystems **End of Year Exam**
YEAR 12 Teacher 2	Atoms and Reactions (2.1) Lessons 1-9 Basic Concepts and Hydrocarbons (4.1)	Basic Concepts and Hydrocarbons (4.1)	Alcohols, Haloalkanes and Analysis (4.2) **Mid Year Assessment**	Alcohols, Haloalkanes and Analysis (4.2)	Alcohols, Haloalkanes and Analysis (4.2) Revision Programme	Transition Metals (5.3) **End of Year Exam**
YEAR 13 Teacher 1	Energy (5.2) **Mock Exams**	Transition Metals	Nitrogen Compounds, Polymers and Synthesis (6.2)	Nitrogen Compounds, Polymers and Synthesis (6.2) **Mock Exams**	Nitrogen Compounds, Polymers and Synthesis (6.2) Revision Programme	**A-Level Exams**
YEAR 13 Teacher 2	Rates, Equilibrium, and pH (5.1) **Mock Exams**	Rates, Equilibrium, and pH (5.1)	Aromatic Compounds, Carbonyls and Acids (6.1)	Analysis (6.3) **Mock Exams**	Analysis (6.3) Revision Programme	**A-Level Exams**