

Sixth Form Subject Information

Chemistry



Qualification	A-Level	
Exam Board	Edexcel	
Course Leader	Mr McGowan/ Mrs Ryan	
Course summary	The course is broken down into 3 strands – organic, inorganic and physical chemistry. Each section of the course begins with an overview, which puts the topic into a broader chemical context and encourages understanding of the place of each topic within the subject. The course is designed to inspire students, nurture their passion for chemistry and lay the foundations for further study and the workplace.	
What will students learn?	Yr 12 content	Pupils will learn about: <ul style="list-style-type: none"> • Atomic Structure • Amount of substance • Bonding • Kinetics • Energetics • Chemical equilibria , Le Chatelier’s Principle and K_c • Organic Chemistry including alkanes, halogenoalkanes, alkenes, alcohols and organic analysis • Group 2 and Group 7 elements
	Yr 13 content	Pupils will learn about: <ul style="list-style-type: none"> • Chemistry of Group 3 and their oxides • Transition metals • Further organic chemistry including aldehydes and ketones, carboxylic acids, amines, aromatic chemistry and further organic analysis. • Chromatography • Thermodynamics • Rate equations • Acids and bases
How will students be assessed?	Pupils will be assessed through three exams. Two of these exams will count for 35% of the course and one will count for 30% There is no longer a coursework element, however pupils will need to complete at least 6 core practical’s in each of the two years to count towards a practical skills qualification.	
Differentiation	Students have access to exam questions throughout the course to help them practice the application of knowledge and understanding. Moodle is populated with PowerPoint’s and answers to support independent learning.	
Resources	Edexcel AS/A Level Chemistry Student Book 1 ISBN: 1447991168	

Edexcel A Level Chemistry Student Book 2

ISBN: 1447991176

www.chemguide.co.uk