



CHEMISTRY

This course focuses on the behaviour of the main group elements and transition elements. It also examines the chemical behaviour of key organic functional groups.

Chemistry is an essential A Level for students wishing to study Medicine, Dentistry, or other chemistry or medically related subjects at university. It is also a useful background topic for many other subjects.

MODULES STUDIED: Examining Board –Edexcel

Unit 1:	<u>Structure, bonding and main group chemistry</u>	Exam Length: 1 hour 15% of total marks
Unit 2:	<u>Introductory organic chemistry, energetics Kinetics and equilibrium and applications</u>	Exam Length: 1 hour 15% of total marks
Unit 3:	3A: <u>Laboratory Chemistry I</u> 3B: <u>Written Paper</u>	Internally Assessed 10% of total marks Exam Length: 1 hour 10% of total marks
Unit 4:	<u>Periodicity, quantitative equilibria and Functional group chemistry</u>	Exam Length: 1hr 30 mins 15% of total marks
Unit 5:	<u>Transition metals, quantitative kinetics and applied organic chemistry</u>	Exam Length: 1hr 30 mins 15% of total marks
Unit 6:	6A: <u>Laboratory Chemistry II</u> 6B: <u>Synoptic paper</u>	Internally Assessed 10% of total marks Exam Length: 1 hr 30 mins 10% of total marks

RECOMMENDED READING

Author	Title	Publisher
Clugsten M. & Flemming R.	Advanced Chemistry	OUP
Ramsden E. N.	A Level Chemistry	Nelson Thornes
Atkins, P.L et al	Chemistry: Principles & Applications	Longmans
Thompson, A.	Advanced Practical Chemistry	John Murray
Hill,G & Holman,J	Chemistry in Context	Nelson