

East Leake Academy

OCR CHEMISTRY A



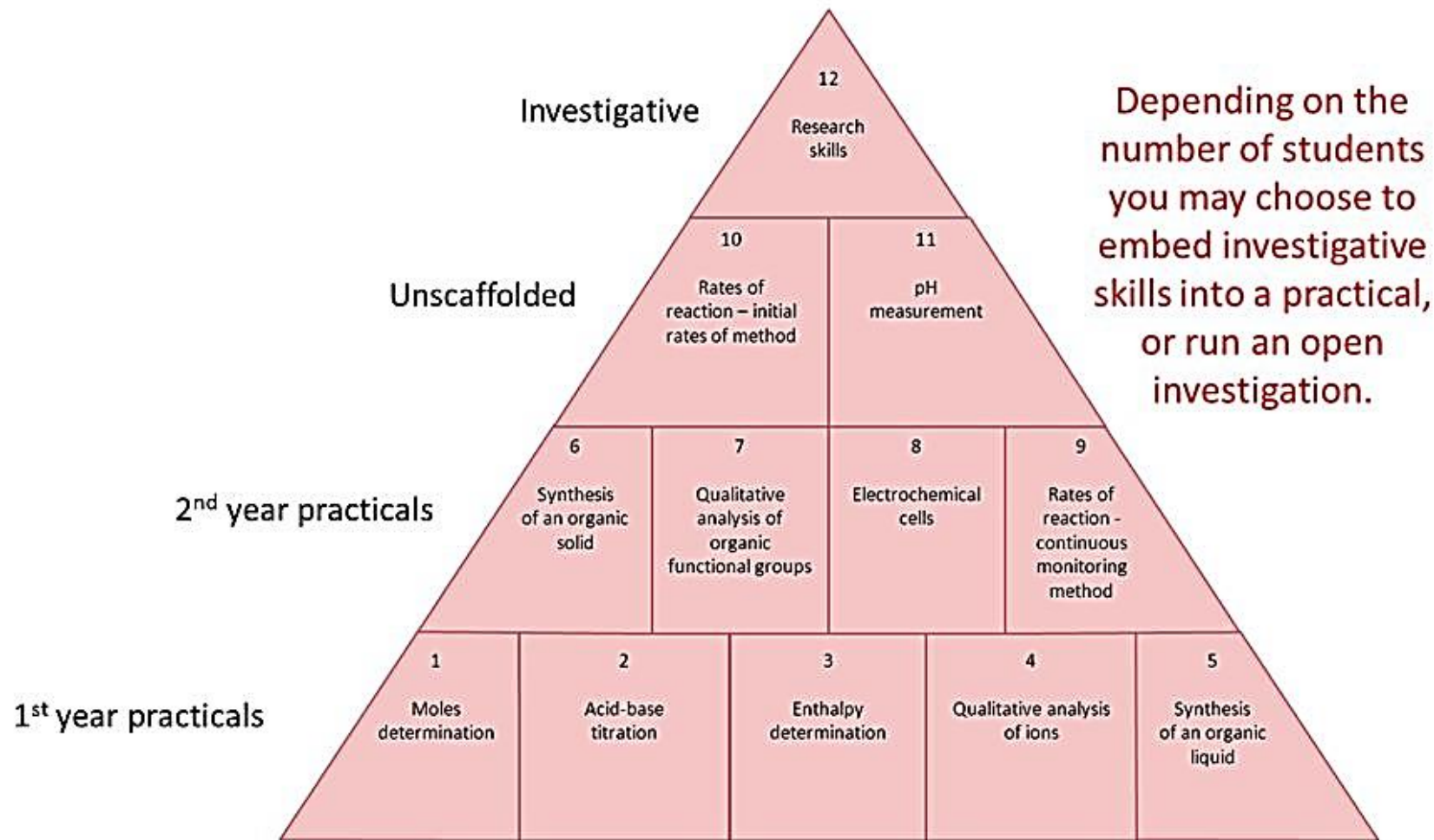


OCR A-level Chemistry A - H032, H432

Content Overview	Assessment Overview	
Content is split into six teaching modules:	Periodic table, elements and physical chemistry (Paper 1) 100 marks 2 hours 15 minutes written paper	37% of total A level
<ul style="list-style-type: none"> Module 1 – Development of 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 	Synthesis and analytical techniques (Paper 2) 100 marks 2 hours 15 minutes written paper	37% of total A level
Paper 1 assesses content from modules 1, 2, 3 and 5.	Unified chemistry (Paper 3) 70 marks 1 hour 30 minutes written paper	26% of total A level
Paper 2 assesses content from modules 1, 2, 4 and 6.	Practical Endorsement in chemistry (04) (non-exam assessment)	Reported separately (See Section 5)
Paper 3 assesses content from all modules (1 to 6).		



Practical Endorsement Model





Weekly teaching

You will have 5 lesson each week. Your teaching is split as follows:

- Inorganic and Physical Chemistry will be taught by Miss Fox.
 - 3 lessons per week
- Organic Chemistry will be taught by Miss Nandha.
 - 2 lessons per week



OCR Chemistry A Specification

Home > Qualifications > AS and A Level > Chemistry A - H032, H432 (from 2015)

AS and A Level

Chemistry A - H032, H432

Teaching from 2015

Specification at a glance

New to OCR

Planning and teaching

Assessment

Administration

Textbooks & endorsed resources

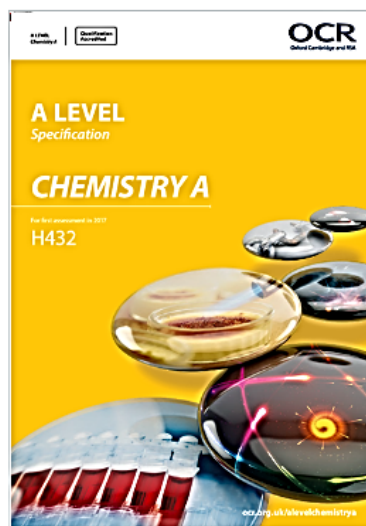
More science >

Sign up for updates >

Professional development >

A Level

AS Level



Our A Level Chemistry A qualification is a content-led course designed to develop theoretical and practical chemistry skills, knowledge and understanding.

Specification code: H432

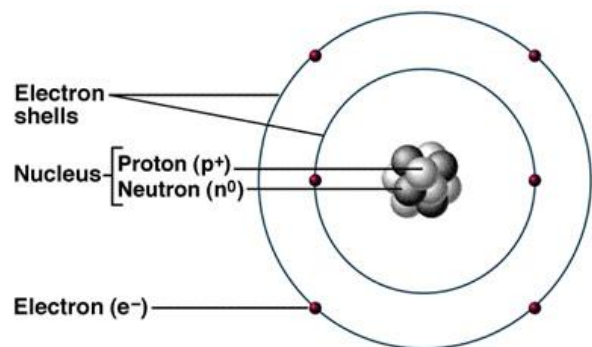
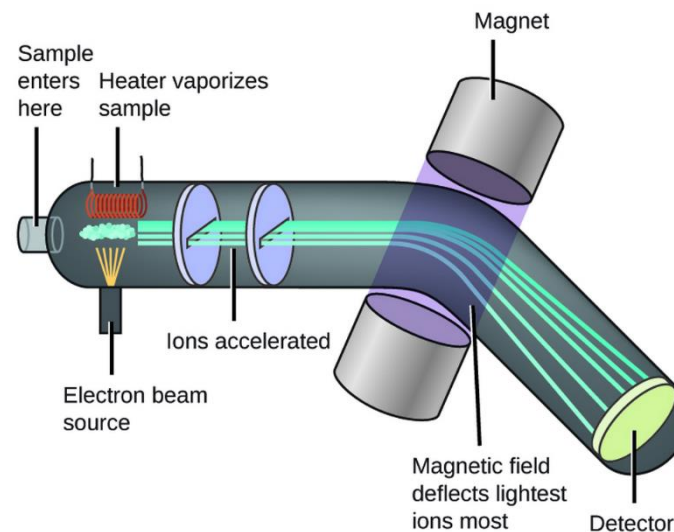
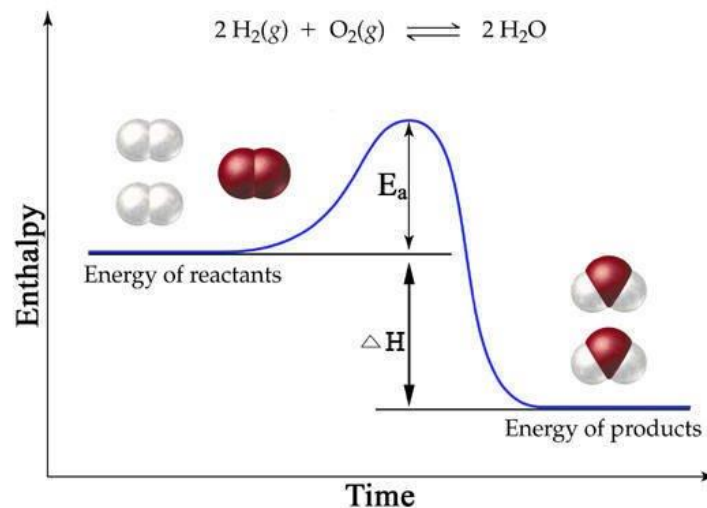
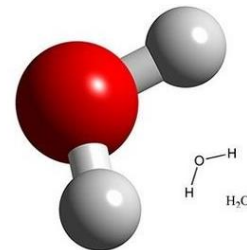
Qualification number: 601/5255/2

First teaching 2015, with first assessment 2017

Download A Level specification

Specification at a glance >

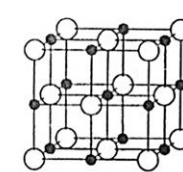
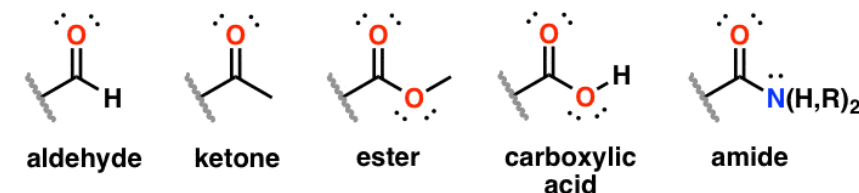
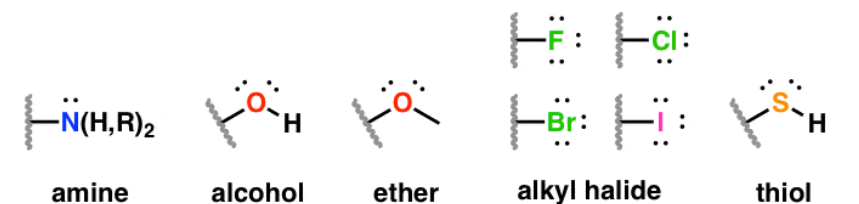
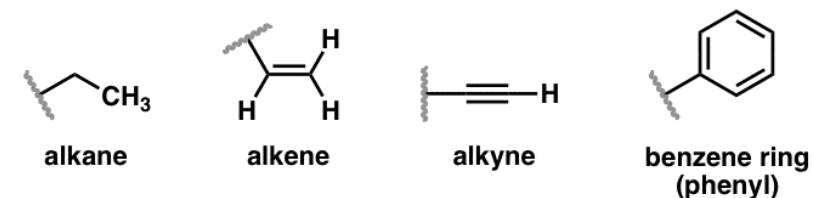
Overview



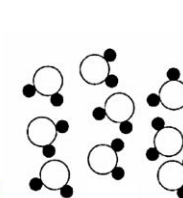
Periodic Table of the Elements

1 H Hydrogen 1.01	2 He Helium 4.00																	3 Li Lithium 6.94	4 Be Beryllium 9.01																	19 K Potassium 39.10	20 Ca Calcium 40.08											29 Cu Copper 63.55	30 Zn Zinc 65.38											47 Ag Silver 107.87	48 Cd Cadmium 112.41											79 Au Gold 196.97	80 Hg Mercury 200.59											119 Ts Tennessine [294]	120 Og Oganesson [294]
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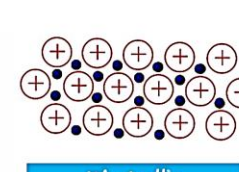
Alkali Metal Alkaline Earth Transition Metal Basic Metal Metalloid Nonmetal Halogen Noble Gas Lanthanide Actinide



Ionic Structure



Simple molecular structure



Metallic Structure



Giant molecular Structure

Careers following A-level chemistry

Studying Chemistry at A-level or beyond opens up plenty of career opportunities such as:

- analytical chemist
- chemical engineer
- clinical biochemist
- zoologist
- pharmacologist
- doctor
- research scientist
- toxicologist
- environmental consultant
- higher education lecturer or secondary school teacher
- patent attorney
- engineer
- petroleum engineer
- science writer
- lots and lots more!

You can go on to study vocational qualifications (such as BTECs, NVQ/SVQs, and diplomas) or a degree at university. Some related that link to chemistry are: physics, biology, human biology, geography, environmental studies, psychology, engineering, electronics, science in society, health and social care.



A - level results

Year	A*	A	B	C	D	Average grade
2019-2020	2	3	7	1		B+
2018-2019	1	3	4	2		B+
2017-2018		2	3			B+
2016-2017	1	4	4	2	1	B
2015-2016	3	2				A
2014-2015		5	4	3	1	
2013-2014	3	1	4	2	2	



Destinations for 2020 students

University of Birmingham - Medicine (5 years)

- Biochemistry
- Geography with Year Abroad

University of Bath

- Natural Sciences (with Year Abroad)
- Natural Sciences

University of Liverpool

- Chemistry with Research in Industry

University of York

- Chemistry, the Atmosphere and the Environment with a year abroad

Nottingham Trent University - Mechanical Engineering

University of Sheffield

- Electrical and Electronic Engineering with a Year in Industry

Newcastle University

- Zoology

University of St Andrews

- Chemistry with External Placement



Hope to see you in chemistry A-level
next year 😊

See you there!

Miss Nandha and Miss Fox