Switching to OCR A from Eduqas

The content within the OCR Chemistry A specification covers the key concepts of chemistry and will be very familiar. We've laid it out in a logical progression to support co-teaching the AS Level and teaching the A Level in a linear way.

OCR Chemistry A (H032/H432)	**Eduqas (B410QA/A410QS)** *(* – topic is split)*
Module 1: Development of practical skills in chemistry Practical skills assessed in a written examination and Practical skills assessed in the practical endorsement	The same practical skills, as mandated by the DfE, are listed in Appendix A and B of the Eduqas specification.
Module 2 – Foundations in chemistry Atoms, compounds, molecules and equations Amount of substance Acid–base and redox reactions Electrons, bonding and structure	C1.1 Formulae and equations C1.2 Basic ideas about atoms C1.3 Chemical calculations C1.4 Bonding C1.5 Solid structures* C2.1 Simple equilibria and acid-base reactions* PI1.1 Redox and standard electrode potential* PI5.2 Acid-base equilibria*
Module 3 – Periodic table and energy The periodic table and periodicity Group 2 and the halogens Qualitative analysis Enthalpy changes Reaction rates and equilibrium (qualitative)	C1.5 Solid structures* C1.6 The Periodic Table C2.1 Simple equilibria and acid-base reactions* C2.2 Thermochemistry C2.3 Rates of reaction* PI2.1 Chemistry of the p-block PI5.1 Equilibrium constants*

OCR Chemistry A (H032/H432)	**Eduqas (B410QA/A410QS)** *(* – topic is split)*
Module 4 – Core organic chemistry Basic concepts Hydrocarbons Alcohols and haloalkanes Organic synthesis Analytical techniques (IR and MS)	C3.1 Organic compounds C3.2 Hydrocarbons C3.3 Halogenoalkanes C3.4 Alcohols and carboxylic acids* C3.5 Instrumental analysis* OA1.1 Stereoisomerism* OA2.1 Alcohols and phenols*
Module 5 – Physical chemistry and transition elements Reaction rates and equilibrium (quantitative) pH and buffers Enthalpy, entropy and free energy Redox and electrode potential Transition elements	C2.3 Rates of reaction* PI1.1 Redox and standard electrode potential* PI1.2 Redox reactions PI2.2 Chemistry of the d-block transition metals PI3 Chemical kinetics PI4.1 Enthalpy changes for solids and solutions PI4.2 Entropy and feasibility of reactions PI5.1 Equilibrium constants* PI5.2 Acid-base equilibria*
Module 6: Organic chemistry and analysis Aromatic compounds Carbonyl compounds Carboxylic acids and esters Nitrogen compounds Polymers Organic synthesis Chromatography and spectroscopy (NMR)	C2.4 The wider impact of chemistry C3.4 Alcohols and carboxylic acids* C3.5 Instrumental analysis* OA1.1 Stereoisomerism* OA1.2 Aromaticity OA2.1 Alcohols and phenols* OA2.2 Aldehydes and ketones OA2.3 Carboxylic acids and their derivatives OA3.1 Amines OA3.2 Amino acids, peptides and proteins OA4 Organic synthesis and analysis

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Appendix 5e: Mathematical requirements Arithmetic and numerical computation Handling data Algebra Graphs Geometry and trigonometry	**Appendix C: Mathematical requirements and exemplifications** Arithmetic and numerical computation Handling data Algebra Graphs Geometry and trigonometry

Assessment – AS Level

OCR Chemistry A (H032)	Eduqas (B410QA)
AS Paper 1: Breadth in chemistry Modules 1–4 70 marks, 50% of AS Level Written paper – 1 hour 30 minutes Section A multiple choice questions, 20 marks. Section B short answer question styles (structured questions, problem solving, calculations, practical) and extended response questions, 50 marks.	**AS Paper 1: The language of chemistry, structure of matter and simple reactions: Sections C1.1-C1.7** 80 marks , 50% of AS Level Written paper – 1 hour 30 minutes Section A: short answer questions, 10 marks. Section B: structured and extended answer questions set in a range of contexts, 70 marks.
AS Paper 2: Depth in chemistry Modules 1–4 70 marks, 50% of AS Level Written paper – 1 hour 30 minutes Question styles include short answer (structured questions, problem solving, calculations, practical) and extended response questions, including those marked using Level of Response mark schemes.	**AS Paper 2: Energy, Rate and Chemistry of Carbon Compounds** 80 marks, 50% of AS Level Written paper – 1 hour 30 minutes Section A: short answer questions, 10 marks. Section B: structured and extended answer questions set in a range of contexts, 70 marks.

Assessment – A Level

OCR Chemistry A (H432)	Eduqas (A410QS)
A Level Paper 1: Periodic table, elements and physical chemistry **Modules 1, 2, 3 & 5** 100 marks, 37% of A Level Written paper – 2 hours 15 minutes Section A multiple choice questions, 15 marks. Section B short answer question styles (structured questions, problem solving, calculations, practical) and extended response questions, 85 marks.	**A Level Paper 1: Physical and Inorganic Chemistry: Sections C1–C3 and PI1–PI5** 120 marks, 40% of A Level Written paper – 2 hours 30 minutes Section A: Short answer questions, 15 marks. Section B: structured and extended answer questions set in a range of theoretical, practical and other contexts
A Level Paper 2: Synthesis and analytical techniques, Modules 1, 2, 4 & 6 100 marks, 37% of A Level Written paper – 2 hours 15 minutes Section A multiple choice questions, 15 marks. Section B includes short answer question styles (structured questions, problem solving, calculations, practical) and extended response questions, 85 marks.	**A Level Paper 2: Organic Chemistry and Analysis: Sections C1–C3 and OA1-OA4** 120 marks, 40% of A Level Written paper – 2 hours 30 minutes Section A: Short answer questions, 15 marks. Section B: structured and extended answer questions set in a range of theoretical, practical and other contexts
A Level Paper 3: Unified chemistry **Modules 1–6** 70 marks, 26% of A Level Written paper – 1 hour 30 minutes Question styles include short answer (structured questions, problem solving, calculations, practical) and extended response questions.	**A Level Paper 3: Chemistry in Practice: All sections** 60 marks, 20% of A Level Written paper – 1 hours 15 minutes Structured and extended answer questions with an emphasis on practical contexts and applications.

OCR Chemistry A (H432)	Eduqas (A410QS)
Practical Endorsement in chemistry Separately reported non–exam assessment, with candidates demonstrating competence in a range of skills and techniques, in a minimum of 12 assessed practical activities. Teacher assessment against the Common Practical Assessment Criteria.	**Practical Endorsement in chemistry** Separately reported non–exam assessment, with candidates demonstrating competence in a range of skills and techniques, in a minimum of 12 assessed practical activities. Teacher assessment against the Common Practical Assessment Criteria.