

### Year 12 CHEMISTRY Curriculum Map

Term	Curriculum area	Essential knowledge and skills <a href="https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/specification-at-a-glance">https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/specification-at-a-glance</a>
<b>Autumn 1</b>	Physical  Physical	Pupils complete a University style advanced chemistry practical course which runs in line with the theory content, and develops the skills required for the common practical assessment criteria (CPAC).  Atomic structure (teacher A)  Amount of substance (teacher B)
<b>Autumn 2</b>	Physical  Physical  Organic	Bonding (teacher A)  Periodicity (teacher A)  Alkanes (teacher B)

<b>Spring 1</b>	Physical Physical Organic	Kinetics (teacher A) Energetics (teacher A) Alkenes (teacher B)
<b>Spring 2</b>	Physical Physical Organic	Equilibria (teacher A) Redox (teacher A) Halogenoalkanes (teacher B)
<b>Summer 1</b>	Inorganic Inorganic Organic Organic	Group 7 (teacher A) Group 2 (teacher A) Alcohols (teacher B) Analysis (teacher B)
<b>Summer 2</b>	Physical Organic	Kp (teacher A) Carbonyl chemistry (teacher B)

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<b>Autumn 1</b>	Physical Physical Organic Organic Organic	Pupils complete a University style advanced chemistry practical course which runs in line with the theory content, and develops the skills required for the common practical assessment criteria (CPAC). Kp revision (teacher A) Rate equations (teacher A) Aldehydes and ketones recap (teacher B) Carboxylic acids and esters (teacher B) Optical isomerism (teacher B)
<b>Autumn 2</b>	Physical Organic Organic	Acids and bases (teacher A) NMR (teacher B) Aromatic chemistry (teacher B)

	Organic	Amines (teacher B)
<b>Spring 1</b>	Physical	Thermodynamics (teacher A)
	Organic	Polymers (teacher B)
	Organic	Amino acids (inc. chromatography), proteins, DNA (teacher B)
	Organic	Organic synthesis (teacher B)
<b>Spring 2</b>	Physical	Electrode potentials (teacher A)
	Inorganic	Period 3 (teacher A)
	Inorganic	Transition metals (teacher B)
	Inorganic	Metal-aqua ions (teacher B)
<b>Summer 1</b>	Revision phase	