Subject - Chemistry

	Year 12	Year 13
Cycle 1 Content	Atomic structure, Bonding, amount of substance and introduction to Organic Chemistry – interlinking good laboratory practices for industry	Aldehydes. Ketones, carboxylic acids, amines and polymers – Synthesis of Aspirin
Assessment	Each unit will have its own end of cycle assessment and past paper question homework contributing towards their AtL grades	Students will be tested using paper 1, 2 and 3 resources
Cycle 2 Content	Organic Synthesis, Alkanes and environmental impact, periodicity and group 2	Rate equations, Acids and Bases with practical's relating to environmental chemistry
Assessment	Each unit will have its own end of cycle assessment and past paper question homework contributing towards their AtL grades	Each unit will have its own end of cycle assessment and past paper question homework contributing towards their AtL grades
Cycle 3 Content	Energetics, kinetics and industrial applications	Electrode potentials, transitions metals, analytical techniques contributing towards how batteries/ fuels cell work
Assessment	Each unit will have its own end of cycle assessment and past paper questions. EOY exams	Summer exams