Birchwood High School **Chemistry Curriculum Map 2022/2023** *your dreams, your future, our challenge*

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
12	Mr Hipwood Introduction to organic chemistry Alkanes Mr Briscoe Atomic Structure Amount of substance	Mr Hipwood Halogenoalkanes Bonding Mr Briscoe Required practical – 1a Required practical – 1b Energetics	Mr Hipwood Kinetics Required practical 3 Alkenes Mr Briscoe Required practical 2 Equilibria	Mr Hipwood Alcohol Required practical 5 Mr Briscoe Oxidation, reduction and redox reactions Periodicity	Mr Hipwood Required practical 6 Organic analysis Group 7 Required practical 4 Mr Briscoe Group 2 Group 7 Required practical 4	Revision
13	Mr Hipwood Nomenclature and isomerism Compound containing the carbonyl group Required practical 10a & 10b Mr Cusumano Thermodynamics Kinetics Required practical 7a & 7b	Mr Hipwood Aromatic chemistry Amines Polymerisation Mr Cusumano Equilibrium constant Kp Electrode potentials and electrochemical cells Required practical 8 Acids, bases and buffers	Mocks Mr Hipwood Amino acids, proteins and DNA Mr Cusumano Required practical 9 Periodicity	Mr Hipwood Organic synthesis and analysis Structure determinations Chromatography – required practical 12 Reactions of inorganic compounds in aqueous solutions Required practical 11 Mr Cusumano The transition metals	Revision and formal examinations	