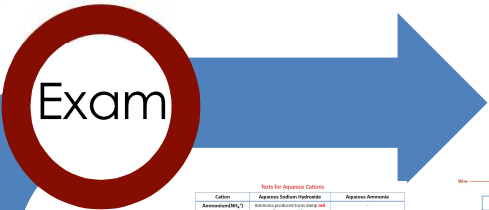
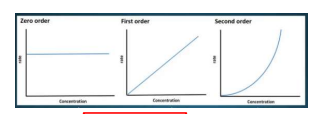
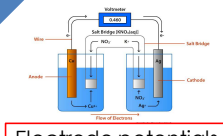


A- Level Chemistry Curriculum Intent



Cation	Tests for Aqueous Cations	Aqueous Anionics
Ammonium(NH ₄ ⁺)	Excess sodium hydroxide	
Aluminium(Al ³⁺)	White ppt, soluble in excess NaOH	White ppt, insoluble in excess
Zinc(Zn ²⁺)	White ppt, soluble in excess NaOH	White ppt, soluble in excess NaOH
Calcium(Ca ²⁺)	White ppt, insoluble in excess NaOH	White ppt, soluble in excess NaOH
Copper(Cu ²⁺)	Light blue ppt, insoluble in excess NaOH	Light blue ppt, insoluble in excess NaOH
Lead(Pb ²⁺)	White ppt, soluble in excess NaOH	White ppt, insoluble in excess NaOH
Iron(Fe ²⁺)	White ppt, insoluble in excess NaOH	White ppt, insoluble in excess NaOH
Iron(Fe ³⁺)	Brown ppt, insoluble in excess NaOH	Brown ppt, insoluble in excess NaOH



Properties of Period 3 Elements and their Oxides

RP 11

Reactions of ions in aqueous solutions

RP 8

Electrode potentials and electrochemical cells

RP 7

Rate Equations

Transition metals

Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At		
Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf	Rf

Equilibria and K_p

$$K_p = \frac{p(C)^c p(D)^d}{p(A)^a p(B)^b}$$

RP 9

OH⁻ H⁺
Acids and Bases

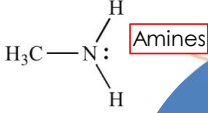
Organic Synthesis

Amino Acids, Proteins and DNA



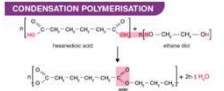
RP 12

Thermodynamics

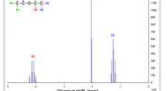


RP 10

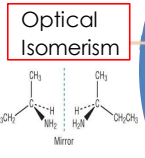
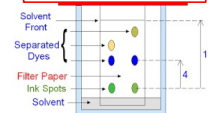
Polymers



NMR



Chromatography



RP 6

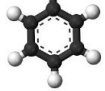
Organic Analysis



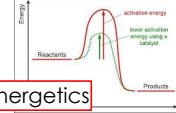
Carbonyl compounds



Aromatic Chemistry



Y12 Organic Chemistry Recap

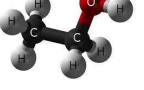


Equilibria and K_c

$$K_c = \frac{[A]^a [B]^b}{[C]^c [D]^d}$$

RP 5

Alcohols



Group 7 - The Halogens



RP 4

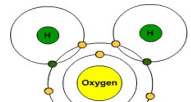
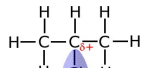
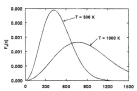
RP 2

RP 3

Group 2 - The Alkaline Earth Metals



Kinetics

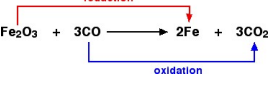


Periodicity

RP 1

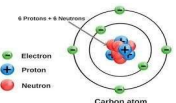
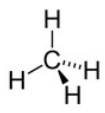
Amount of Substance

Redox Reactions



Alkenes

Introduction to Organic Chemistry and Alkanes



Atomic Structure



GCSE Recap & Baseline Assessment