Revision classes

Y13 (Feb 15-19)	Topic
Mon	Kinetics: rate equations, orders, mechanisms
Tue	Equilibria: Kp
Wed	Acid-base equilibria: pH, Ka, pKa
Thu	Redox: cells, EMF, standard electrode potentials
Fri	Transition metals

Y13 ()	Topic
Mon	Organic: carbonyl compounds, optical isomerism
Tue	Organic: amines, amino acids, polymers
Wed	Organic: benzene and derivatives
Thu	Organic analysis: NMR, chromatography
Fri	Organic synthesis

Y11 (Feb 15-19)	Topic
Mon	Atomic structure and the Periodic Table
Tue	Bonding, structure and the properties of matter
Wed	Moles, formulae and equations
Thu	Reactions of metals, acids/bases
Fri	Redox reactions and electrolysis

Y11 ()	Topic
Mon	Endo- and ezothermic reactions, bond energies
Tue	Reaction rates, collision theory, activation energy
Wed	Hydrocarbons: alkanes and alkenes
Thu	Alcohols. Carboxylic acids, polymers
Fri	Chemical tests and spectroscopy

Twilight sessions

Y13 Week	Topic
(Feb 22 - April 1)	
1	Kinetics: rate equations, orders, mechanisms
2	Kinetics: rate equations, orders, mechanisms
3	Equilibria: Kc, Kp
4	Equilibria: conditions affecting POE and K
5	Acid-base equilibria: pH, Ka, pKa
6	Acid-base equilibria: buffers, pH titration curves
(Apr 12 – May 28)	
7	Redox: electrochemical cells, EMF
8	Redox: standard electrode potentials
9	Transition metals
10	Transition metals
11	Organic: aldehydes and ketones
12	Organic: carboxylic acids, acyl chlorides
13	Organic: isomerism
(Jun 7 – Jul 2)	
14	Organic: amines, amino acids
15	Organic: benzene and derivatives
16	Organic: esters, elimination polymers
17	Organic analysis: NMR spectroscopy

Y12 Week	Topic
(Feb 22 - April 1)	
1	Atomic structure and the Periodic Table
2	Atomic structure and the Periodic Table
3	Moles, formulae and equations
4	Moles, formulae and equations
5	Structure and bonding: covalent, ionic, metallic
6	Structure and bonding: intermolecular forces
(Apr 12 – May 28)	
7	Periodicity
8	Redox: oxidation states and redox equations
9	Groups 2 and 7
10	Kinetics: collision theory, measuring rates
11	Equilibria: Le Chateliers's principle. Kc
12	Energetics: enthalpy changes, calorimetry
13	Energetics: Hess's Law, Born-Haber cycles
(Jun 7 – Jul 2)	
14	Organic: core principles, alkanes
15	Organic: alkenes
16	Organic: haloalkanes. alcohols
17	Organic analysis: Mass and IR spectroscopy

Y11 Week	Topic
(Feb 22 - April 1)	
1	Atomic structure
2	The Periodic Table:
3	Bonding, structure and the properties of matter
4	Bonding, structure and the properties of matter
5	Moles, formulae and equations
6	Moles, formulae and equations
(Apr 12 – May 28)	
7	Chemical changes: reactivity of metals
8	Chemical changes: redox and electrolysis
9	Energy changes: endo- and exothermic reactions
10	Energy changes: bond energies
11	Kinetics: reaction rates
12	Kinetics: collision theory, activation energy
13	Equilibria: Le Chatelier's principle
(Jun 7 – Jul 2)	
14	Organic chemistry: alkanes, alkenes
15	Organic chemistry: alcohols, carboxylic acids
16	Organic chemistry: polymers
17	Chemical analysis: tests and spectroscopy