KS5 CHEMISTRY
SUBJECT MAP

Post-16 Immanuel College

Immanuel SCIENCE — Sparking imagination to ignite discoveries

Y12

HALF TERM 1
- ATOMIC STRUCTURE
- SUBSTANCE
- BONDING
- VOLUMETRIC SOLUTION
- ACID-BASED TITRATION

HALF TERM 2
- OXIDATION, REDUCTION & REDOX
- ENERGETICS
- ENTHALPY CHANGE
- PERIODICITY
- TEST-TUBE REACTIONS
- CATIONS & ANIONS
- AQUEOUS SOLUTION

HALF TERM 3
- REACTIONS & TEMPERATURES
- ORGANIC CHEMISTRY
- EQUILIBRIA
- KINETICS

HALF TERM 4
- REACTIONS
- DISTILLATION
- HALOGENALKANES
- ALKANES

HALF TERM 5
- ORGANIC ANALYSIS
- ALCOHOLS
- ALDEHYDE
- TESTS
- ALKENE
- CARBOXYLIC ACID

ASSESSMENTS
- THERMODYNAMICS
- PERIODICITY
- REACTIONS
- TEST-TUBE REACTIONS
- TRANSITION METAL IONS

Y13

HALF TERM 1
- CONTINUOUS MONITORING METHOD
- INITIAL RATE METHOD
- RATE OF REACTION
- AROMATIC CHEMISTRY
- NOMENCLATURE & ISOMERISM
- CARBONYL COMPOUNDS
- KINETICS

HALF TERM 2
- ELECTROCHEMICAL CELL
- POLYMERISATION
- EMF
- AMINES
- ELECTRODE POTENTIALS
- EQUILIBRIUM CONSTANT

HALF TERM 3
- AMINO ACIDS & PROTEINS
- ACIDS, BASES & BUFFERS
- STRUCTURE DETERMINATION
- DNA ORGANIC SYNTHESIS
- CHROMOTO GRAPHY
- ANALYSIS
- PH CHANGES

HALF TERM 4
- INORGANIC COMPOUNDS
- TRANSITION METALS
- TEST-TUBE REACTIONS
- AQUEOUS SOLUTIONS
- SEPARATION OF SPECIES
- CHROMOTO GRAPHY

ASSESMENT

REVISION