Y7-13 CHEMISTRY LEARNING JOURNEY

FINHAM PARK SCHOOL

YEAR 13

Exam & Post – 16 Destination

Go to University

Start a degree level apprenticeship

Take a gap year

NMR and analytical chemistry

Polymers

Buffers & neutralization

Acid, bases and pH

Rates of reaction & equilibrium

Amines, amino acids and chirality

Enthalpy changes & entropy

YEAR 12

Shapes of molecules and intermolecular forces

Organic nomenclature and formulae

Halogenoalkanes and alcohols

Aromatic chemistry

Periodicity and reactivity trends

Organic synthesis and spectroscopy

Carbonyl compounds

Electron arrangement and chemical bonding

Transition elements, redox and electrode potentials

Alkanes and alkenes

Acids and redox

GCSE exams start May-June

YEAR 11

Amount of substance

Organic reactions (triple only)

Chemical equilibrium

Rates of reaction

Quantitative chemistry (the mole, reacting masses, titrations (triple)

Polymers (triple only)

Energy changes

YEAR 10

Structure and bonding (ionic, covalent, metallic)

The reaction of metals

Neutralization

Electrolysis

Chemical analysis

YEAR 9

Crude oil and fuels

Earth's resources

Chemistry of our atmosphere

Periodic table

Atomic structure

Atoms and Elements and compounds

The periodic table

Chemical reactions

Metals and acids

The Earth

YEAR 8

Evaluating experiments

Acids & Alkalis

Drawing conclusions

Recording data

Separation Mixtures

Planning investigations

Changes in state

States of matter and the particle model

Working scientifically

Asking scientific questions

YEAR 7

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