



Learning Journey:

Presenting
scientific
rationales

Chemical tests

Rates &
equilibrium

Industrial
processes

Earth
& air

C4.2 Identifying
products

YEAR
11

C5 Monitoring &
controlling reactions;
Equilibria

C6 Improving processes,
organic chemistry & Earth
systems

KS5

C4.1
Predicting
reactions

Making &
interpreting
observations
Communicating theories
& explanations

Identifying sources of
experimental error

Further moles
calculations

Reducing error

Organic Chemistry

Reactivity
series

Reactions of
groups

C3.4 Electrolysis

C3.3 Types of
chemical reactions

C3.2
Energetics

C3.1 Chemical
reactions

Electrolysis
theory

Developing and
testing hypotheses

Acids and pH

Chemical
nomenclature

Analysis &
evaluation

Scientific
vocabulary
and units

Chemical
equations

Development of
theories

Separating mixtures

Chemical bonding

Moles

Particle model

C1 Particles

C2.1 & 2.2 elements,
compounds and mixtures

YEAR
10

C2.3 elements,
compounds
and mixtures

YEAR
9

Atomic
structure

Chemical
formulae

Analysis and
evaluation

Material properties

Experimental skills