



# KS4 Chemistry Learning Journey at Manor High School

Chemistry Paper 2  
Rates of reaction,  
chemical analysis,  
Earths resource and  
atmosphere

GCSSES

Haber Process \*

Earths' resources

Polymers\*

Organic chemistry

Instrumental analysis\*

Chemical analysis

YEAR 11

Using materials \*

Earth's atmosphere

Alkenes and alcohols\*

Instrumental analysis \*

Identification of ions\*

Nanoparticles\*

Yield and atom economy \*

Volume of gases \*

Titration\*

Fuel cells\*

Rates of reaction

Transition elements \*

YEAR 10

Quantitative chemistry

Using concentrations

Chemical changes

Energy transfer

Triple content only is highlighted \*

Assessment

Bonding

Group 7

Mass, charge and isotopes

Atomic structure and Periodic table

Group 8

Group 1

Atomic model

YEAR Y9

Assessment

Ceramics

Composites

Carbon cycle

Reactivity series and carbon

Extracting metals and displacement

Polymers

Earth's resources

Recycling

Metal oxide and non metal oxides

Periodic table

Catalysts

Thermal decomposition

Oxidation

Metals and non metals

Endo and exothermic reactions

Metals and acid

Combustion

Chemical reactions

YEAR Y8

Neutralisation

Earth Structure

Acids and alkalis

Earth atmosphere

Rock types

Pure and impure substances

Atoms, elements, compounds

Lab induction

YEAR Y7

Separating mixtures

Conservation of mass

Solids, liquids, gases

Assessment