



# Gordon's School Chemistry Department

## A-Level - Curriculum Map



### Key Skills:

- Development of scientific thinking
- Planning investigations
- Developing experimental skills and strategies
- Recording data – tables and graphs
- Data analysis
- Data evaluation



Year 13

TEACHER 1

TEACHER 2

Acids and Bases

Carboxylic acids

Transition metals

Aromatic chemistry

Chromatography

Reactions of ions in aqueous solution

RP Making Aspirin

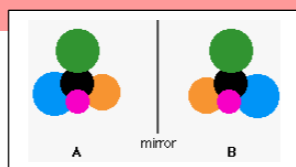
Rate equations

Thermodynamics

Aldehydes and ketones

Thermodynamics

Optical isomerism



Review of year 12 practical work

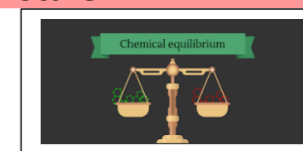
Review of year 12 practical work

Group 7(17), the halogens



Organic analysis

Group 2, the alkaline earth metals



Periodicity

Year 12 Exams

Year 12

TEACHER 1

TEACHER 2

Atomic structure

Bonding

Amount of substance

Kinetics

Energetics

Introduction to organic chemistry

Chemical equilibria

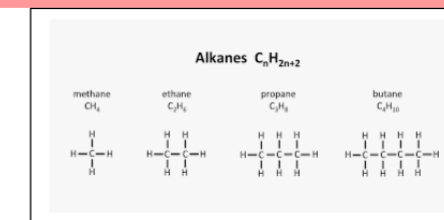
Alkanes

Redox

Halogenoalkanes

Alcohols

Alkenes



Exams

Revision

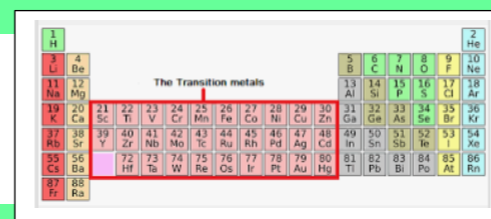
Nuclear magnetic resonance

Equilibrium constant  $K_p$



Organic synthesis

Period 3 elements & oxides



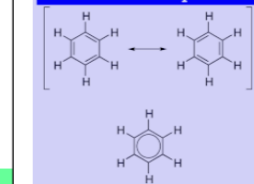
Amino acids, proteins and DNA

Electrode potentials and electrochemical cells

Polymers

Amines

Aromatic Compounds



Year 13 mock exams

### Command Words:

- Calculate
- Compare
- Complete
- Describe
- Determine
- Evaluate
- Explain
- Justify
- Predict
- State
- Suggest
- Use

### Key Terms:

- Accuracy
- Control variable
- Dependent variable
- Error
- Independent variable
- Precision
- Prediction
- Repeatable
- Reproducible
- Variable

Exam Specification:



Should this QR code not work, please click [here](#) to view the relevant specification.

