



# ST. ANNE'S SIXTH FORM

## CHEMISTRY A LEVEL

### YEAR 12

**Physical Chemistry:** atomic structure, bonding, energetics, kinetics, chemical equilibrium and Le Chatelier's principle.

**Inorganic Chemistry:** the periodic table, Group 2 (the Alkaline Earth Metals) and Group 7 (the Halogens).

**Organic Chemistry:** alkanes, alkenes, halogenoalkanes, alcohols, organic analysis.

### YEAR 13

**Physical Chemistry 2** – thermodynamics, rate equations, equilibrium constant, electrochemistry.

**Inorganic Chemistry 2** – Period 3 elements and their oxides, transition metals, reactions of ions in aqueous solution.

**Organic Chemistry 2** – Aldehydes and ketones, carboxylic acids and their derivatives, amines, polymers, amino acids, proteins, DNA, organic synthesis, nmr spectroscopy, chromatography.

### CAREERS

Analytical Chemist, Doctor,  
Vet, Chemical Engineer,  
Clinical biochemist,  
pharmacologist, toxicologist,  
Chartered accountant,  
Environmental scientist,  
Pharmacist

### STAR STUDENTS

#### **Nazanin S**

Biomedical Sciences at  
Queen Mary University

#### **Thasmitha T**

Pharmacy at  
King's College London

**Yr 13 Class of 2024**