

# KS4 Combined Science Chemistry Learning Journey

The science curriculum at St Mark's is designed to engage and enthuse students' curiosity about the world around them, enabling them to develop a lifelong enjoyment of science.

AQA  
Combined  
Trilogy

C1 Atoms,  
Elements,  
Compounds,  
Mixtures & The  
Periodic Table

C2 Bonding,  
Structure &  
Properties of  
Matter



Year  
10

Paper 1

C3 Quantitative  
Chemistry –  
Conservation of  
Mass, the Mole and  
Concentration

C4 Energy Changes:  
Exothermic,  
Endothermic  
Reactions & Bond  
Energies

C5 Chemical  
Changes: Redox  
Reactions, Acids &  
Bases, Making Salts  
& Electrolysis

Year  
11

Paper 2



C7 Organic  
chemistry: Crude  
Oil, Fractional  
Distillation &  
Cracking

C9 Evolution of the  
atmosphere,  
Climate change &  
Carbon Footprints



C6 Rates of  
reaction, Collision  
Theory, Reversible  
Reactions &  
Dynamic Equilibria

C8 Chemical  
Analysis: Purity,  
Chromatograph  
y & Gas Tests

C10 Using  
resources: Finite  
& Renewable,  
Extracting Metals,  
& Water  
Treatments

A level  
Ready!

