Altwood
Church of England School

Science Department

Curriculum Overview - Year 10 - Triple Science Chemistry

The Big Picture:
Year 10 will study: How structure and bonding influences material properties and how to calculate quantities in chemistry. Study of the reactivity of elements and energy transfer in reactions. Calculation of rates of reactions and approximate energy changes. Interpret how catalysts change the rate of reactions.
AO1: Demonstrate knowledge and understanding of the topic.
AO2: Apply your knowledge and understanding of the topic and use your scientific ideas.
AO3: Analyse information in a scientific context and use your understanding to make predictions and evaluations.
https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462

Term 1: **Structure and bonding** Green Task: Structure and bonding Assessment Objectives covered - AO1, AO2, AO3	Term 4: **Electrolysis/Endothermic reactions** Green Task: Electrolysis of a solution Assessment Objectives covered - AO1, AO2, AO3
Term 2: **Chemical calculations** Green Task: Chemical quantities Assessment Objectives covered - AO1, AO2, AO3	Term 5: **Energy transfers/rates of reactions** Green Task: Chemical reactions and transfers of energy Assessment Objectives covered - AO1, AO2, AO3
Term 3: **Chemical changes** Green Task: Reactivity series Assessment Objectives covered - AO1, AO2, AO3	Term 6: **Catalysts and reversible reactions** Green Task: Catalysts and rates of reaction Assessment Objectives covered - AO1, AO2, AO3