

Key Vocabulary for Summer Term Overviews

Subject: Triple Science		Year Group: 10	
Key Learning Points/End Points	Key Vocabulary		
<p>Biology: Health and Disease To know how pathogens cause harm to other living organisms and how the body defends against disease.</p>	Pathogen Communicable Non-communicable Deficiency disease Malnutrition Cirrhosis Cardiovascular disease Body Mass Index Waist:Hip ratio	Stent Statins Virus Bacteria Fungi Protist Vectors Lytic lifecycle Lysogenic lifecycle	Physical barriers Chemical barriers Antigens Lymphocytes Antibodies Primary immune response Secondary immune response Vaccination Antibiotics Monoclonal antibodies
<p>Chemistry: Moles, Quantitative analysis, Using and Obtaining Metals, Transition metals and alloys To be able to calculate the numbers of moles and particles of a substance. To know the reactivity series and how it can be used to predict displacement reactions. To know methods by which metals are extracted from ores and the benefits of recycling.</p>	Moles Avogadro constant Actual yield Theoretical yield Incomplete reactions Limiting reactant Stoichiometry Atom economy Equilibrium position	Reactivity series Anions Cations Electrolysis Displacement reaction Spectator ions Oxidation Reduction Redox reaction	Ore Native Extraction Electrolysis Bioleaching Phytoextraction Corrosion Recycling
<p>Physics: Astronomy and Forces doing work Know how solar systems and stars form. Know the evidence for the Big Bang. Know how forces do work by transferring energy and how to increase the efficiency of energy transfers.</p>	Gravity Weight Moon Planet Comet Asteroid Satellite Orbit	Nebula Red dwarf Main sequence star Red giant White dwarf Supernova Red shift Blue shift	CMB Big Bang Steady State theory Energy store Energy transfer Work done Power Watts Efficiency