

Key Vocabulary for Summer Term Overviews

Subject: Combined 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 HIV/AIDs Ebola Bacteria Tuberculosis Cholera Fungi Chalara Ash Dieback Protist Malaria Vectors	Sexually Transmitted Infections Physical barriers Chemical barriers Antigens Lymphocytes Antibodies Primary immune response Secondary immune response Vaccination Immunisation Antibiotics
<p>Chemistry: Moles and Using and Obtaining Metals 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>	Atoms Ions Molecules Moles Avogadro constant Limiting reactant Stoichiometry Reactivity series	Anions Cations Displacement reaction Spectator ions Oxidation Reduction Redox reaction Ore	Native Extraction Electrolysis Bioleaching Phytoextraction Corrosion Recycling
<p>Physics: Conservation of Energy To know how energy can be stored and transferred between stores. To know how to increase the efficiency of an energy transfer and what happens to wasted energy.</p>	Joules Conservation of energy Energy stores Energy transfers Chemical energy Kinetic energy Thermal energy Elastic potential energy Gravitational potential energy	Atomic energy Sankey diagrams Dissipated Lubrication Efficiency Conduction Convection Radiation	Insulation Absorbed Emitted Renewable Non-renewable Work done Power Watts