

## Key Vocabulary for Spring Term Overviews

Subject: Triple Science		Year Group: 11	
Key Learning Points/End Points	Key Vocabulary		
<b>Biology: Transport and Homeostasis</b> To understand how exchange surfaces in mammals enable efficient exchange of substances. To understand how animals coordinate and control their internal environment	Circulatory Alveoli Arteries Veins Capillaries Valves Septum Atria Ventricles Aorta Vena cava Pulmonary artery Pulmonary vein	Cardiac output Aerobic respiration Anaerobic respiration Lactic acid Hormones Thyroxine TRH TSH Hypothalamus Pituitary gland Adrenal gland Menstruation Ovulation	FSH LH Oestrogen Progesterone BMI Waist: Hip ratio Diabetes Insulin Glucagon Glycogen
<b>Chemistry: Fuels and Earth's atmosphere. Alcohols, Polymers and qualitative analysis</b> To understand where and how we obtain fuels and process them for use in the modern world. To understand the composition of our current atmosphere and how it changed over time.	Crude oil Hydrocarbons Non-renewable Fractional distillation Evaporation Condensation Fractions Viscosity Volatility	Molecular formulae Structural formulae Alkanes Saturated Alkenes Unsaturated Incomplete combustion Acid rain Cracking	Greenhouse gas Absorb Emit Climate change Polymerisation Condensation polymerisation Photometry
<b>Physics: Particle model, Forces and Matter</b> To understand how the particle model explains the properties of matter and what happens when energy is transferred to or from a substance. To understand how elastic and plastic materials behave when stretched.	Particles Kinetic theory Evaporating Melting Freezing Condensing Sublimation Density	Thermal energy Specific heat capacity Melting point Boiling point Specific latent heat Pascals Absolute zero Kelvin	Elastic Inelastic Hooke's Law Spring constant Work done Upthrust

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