



## Holy trinity Secondary science vocabulary

Term	Year 7	Year 8	Year 9
1a	<p><b>Cells and microscope</b></p> <p>Cell Mitochondria Organ system Microscope Organism Nucleus Ribosome Cell wall</p> <p><b>Reproduction</b></p> <p>Hormone Reproduction Fertilisation Vagina Oviduct Oviduct Sperm cell Chromosomes</p> <p>Cytoplasm Tissue Organ Vacuole Magnification Organelles Cell membrane Chloroplast</p> <p>Puberty Menstrual cycle Penis Uterus Ovary Testes Nucleus DNA</p>	<p><b>Food and digestion</b></p> <p>Element Molecule Balanced Diet Multicellular Diffusion Digestion</p> <p>Compound Nutrients Malnutrition Unicellular Enzymes Absorbed</p> <p><b>Patterns in reactivity</b></p> <p>Properties Physical Periods Periodic Table Non-metal Reactivity Noble Gas</p> <p>Chemical Groups Element Metal Alkali Metal Halogen Displacement</p>	<p><b>Inheritance</b></p> <p>Adaptations Evolution Darwin Natural selection DNA Chromosome Gene Inheritance Genetic modification</p>

Term	Year 7	Year 8	Year 9
1b	<p><b>Solar system</b> Solar system Universe Galaxy Planet Moon Gravity Season Phases Orbit Rotate Hemisphere</p> <p><b>Elements, compounds, simple reactions</b> Atom Element Compound Mixture Reversible Irreversible Decomposition Reaction Particle</p>	<p><b>Patterns in Reactivity</b> Periodic table      Group Period                Alkali metal Halogen               Noble gas Electron               Shell Bond                    Reactive</p> <p><b>Bioenergetics</b> Alveoli                Diffusion Glucose                Aerobic Anaerobic              Respiration Lactic Acid            Diaphragm Inspiration            Oxygen Carbon dioxide       Oxygen Debt Photosynthesis       Rate</p>	<p><b>Speeding up</b> Forces                 Balanced Newton                Velocity Speed                  Distance Scalar                 Vector Time                    Acceleration Resultant force</p> <p><b>Electricity</b> ammeter               cell circuit                  component electric current       voltage atom                    Electron resistance             variable resistor parallel circuit        series circuit positive                negative charge</p>

Term	Year 7	Year 8	Year 9
2a	<b>Acid and alkali</b> Hydrochloric acid Sulphuric acid Phosphoric acid Nitric acid Sodium hydroxide Copper oxide Alkali Neutralisation Universal indicator Hazard symbol Corrosive Indicator	<b>Magnets and electromagnets</b> Attract Core Iron Steel Cobalt Nickel North South Current Electromagnet Solenoid Magnetism Magnetic Field Pole Repel Magnet Solenoid	<b>Earth</b> Core Mantle Rock cycle Igneous Sedimentary Metamorphic Recycling Carbon cycle Atmosphere Climate change

Term	Year 7	Year 8	Year 9
2b	<b>Energy resources</b> Fuel Fossil fuel Renewable Non renewable Sankey diagram Energy Efficiency Resource Gravitational potential energy Sankey diagram Decay Coal Oil Gas Electricity	<b>Heating and Cooling</b> Heat Cooling Energy Temperature Particle Model Cooling Curve Thermal Conductivity Conduction Convection Radiation Insulator	<b>Start GCSE</b> <b>Biology unit 1 Cells and Microscopes</b> Cell membrane Cell wall Mitochondria Ribosome Chloroplast Eukaryotic Prokaryotic Electron microscope Light microscope Osmosis Diffusion Active transport Mitosis Chromosome  <b>Triple only</b> Culture Clear zone Binary fission

Term	Year 7	Year 8	Year 9
3a	<b>Particle Model</b> Particle model Solid Liquid Gas Mixture Density Mass Volume Solution Filtration Chromatography Distillation	<b>Metals and metal compounds</b> Metal Hydrochloric Acid Sulphuric acid Nitric acid Sodium hydroxide Copper oxide Equation Non-metal Property Conservation of Mass Reactants Products Salt Neutralisation Oxidation	<b>Chemistry Unit 1 Atomic structure and the periodic table</b> Proton Neutron Electron Shell Compound Isotope Period Group Alkali metal Halogen Mixture Filtration Distillation Crystallisation  <b>Triple only</b> Transition metal

Term	Year 7	Year 8	Year 9
3a	<p><b>Forces</b>  Force  Weight  Upthrust  Friction  Air resistance  Thrust  Balanced  Unbalanced  Mass  Gravity</p> <p><b>Variation</b>  Classification  Competition  Adaptation  Food chain  Food web  Quadrat  Pyramid of numbers  Pyramid of biomass  Predator  Prey</p>	<p><b>Waves</b>  Wave  Longitudinal  Transverse  Wavelength  Speed  Distance  Time  Rarefaction  Frequency  Ear drum  Cochlea  Auditory nerve  Oscilloscope  Transparent  Opaque  Translucent  Reflection  Refraction  Dispersion</p>	<p><b>Physics unit 1 Energy</b>  Energy transformation  Kinetic  Gravitational potential  Thermal  Elastic potential  Sound  Light  Specific heat capacity  Internal energy  Conduction  Convection  Radiation  Evaporation  Condensation  Melting  Freezing  Cooling curve  Renewable  Non-renewable  Global warming</p> <p><b>Triple only</b>  Insulation  U value</p>