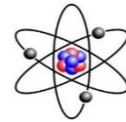


YR.9 ENTRY		Science (<i>In bold* – Yr.9 NC/ENTRY</i>)															
		Term 1 & 2		FLEX	Term 3		FLEX	Term 4		FLEX	Term 5 & 6						
Biol 	Biology 1A – Cells, genetics, inheritance and modification • Animal cells (Basics) • Plant cells • Growth • Specialised cells • Nerve cells • Nerve synapses (basic) • Reflex pathways				Biology 1A – Cells, genetics, inheritance and modification • DNA (basis)* • Genes* • Punnet squares* • X & Y chromosomes • Variation*				Biology 1A – Cells, genetics, inheritance and modification • Darwin/natural selection* • Selective breeding* • Genetic engineering* • Exam preparation				Biology 1B – Health, disease, & the development of medicines • Communicable and non-communicable diseases* • Pathogens & their structure– bacteria, fungi & viruses* • How pathogens are spread* • Disease/infections – examples • Spread of common infections* • Control of infections & reducing the spread of infections • STIs- HIV & chlamydia				
	Chem 	Chemistry 1A – Atoms, compounds and states of matter • Hazards • Structure of the atom • Protons, neutrons & electrons • Atomic mass/number • Ions & Isotopes basic* • Periodic table/structure* • Chemical symbols/word equations • Mendeleev • Metals/non-metals – properties				Chemistry 1A – Atoms, compounds and states of matter • Bonding in metals • Elements/compounds • Bonding – ionic/covalent* • Structures of ionic/covalent compounds* • Physical properties of ionic/covalent compounds* • Diamond/graphite* • States of matter & interconversions • Exam preparation				Chemistry 1B – Separating mixtures, breaking down substances, acids and metals • Elements, compounds & mixtures • Separation techniques • Analysing a chromatogram • Waste water recycling* • Electrolysis* • Acids • Indicators				Chemistry 1B – Separating mixtures, breaking down substances, acids and metals • Bases* • Neutralisation* • Making Salts* • Metals & their uses • Metal reactivity* • Alkali metals (introduction) • Reactivity series* • Smelting with carbon*			
		Phys 	Physics 1A – Forces, movement and energy • Introduction to forces • Speed/equations* • Distance time graphs* • Acceleration/equations* • Acceleration graphs* • Relative speeds*				Physics 1A – Forces, movement and energy • Balanced/unbalanced forces • Effects of forces on movement • Weight/application of equation • Stopping distances/factors • Effects of drugs on reaction times				Physics 1A – Forces, movement and energy • Energy/Sankey diagrams • Application of energy • Energy efficiency • Energy resources • Renewable/non renewable • Exam preparation				Physics 1B – Waves and radiation • Introduction to waves & wave theory - refraction • Wave equations & application* • EMS introduction & theory		