

Year 7 – Science Curriculum

Introduction & Safety	
Introduction to safety in the lab	
Hazards signs	
How to light a Bunsen burner	
Equipment in the lab	
Assessed practical	
Safety exam	

7B – Reproduction	
7Ba - Fertilisation	
7Bb - Reproductive organs	
7Bc - The formation of an embryo	
7Bd - Birth	
7Be - Puberty	
Long Answer Question	

7G - The Particle Model	
7Ga - States of matter	
7Gb - Particles in solids, liquids and gases	
7Gc - Movement of particles	
7Gd - Describe mixtures of particles	
7Ge - Pressure in gases	
Long Answer Question	

7A - Cells, tissues, organs and organ systems	
7Aa - Life processes	
7Ab - Organs and their function	
7Ac - Organs and tissues	
7Ad - Cells	
7Ae - Organ system	
Long Answer Question	

7E - Mixtures and Separation	
7Ea - Mixtures	
7Eb - Dissolving	
7Ec - Heating Chemicals	
7Ed - Chromatography	
7Ee - Distillation	
Long Answer Question	

7I – Energy	
7Ia - Energy in food	
7Ib - Stores and transfers of energy	
7Ic - Fuels	
7Id - Renewable and non-renewables	
7Ie - Conservation of energy	
Long Answer Question	

December Exam

7C – Muscles and Bones	
7Ca - Ventilation and respiration	
7Cb - Blood circulation	
7Cc - The skeletal system	
7Cd - Muscle control	
7Ce - The effect of drugs	
Long Answer Question	

7D – Ecosystems	
7Da - Environment, variation and species	
7Db - Adaptation	
7Dc - Environmental variation	
7Dd - Food webs	
7De - Food chains	
Long Answer Question	

7F – Acids and Alkalis	
7Fa - Acids	
7Fb - Identifying acids and alkalis	
7Fc - The pH Scale	
7Fd - Neutralisation	
7Fe - Uses of acids, alkalis and salts	
Long Answer Question	

7H – Atoms, Elements and Molecules	
7Ha - Elements, compounds and mixtures	
7Hb - Elements and their symbols	
7Hc - The properties of metals	
7Hd - Compounds	
7He - Thermal decomposition	
Long Answer Question	

7J – Current Electricity	
7Ja - Electric current	
7Jb - Models for electricity	
7Jc - Parallel circuits	
7Jd - Voltage in a circuit	
7Je - Electrical safety	
Long Answer Question	

7K – Forces	
7Ka - Forces	
7Kb - Hooke's Law	
7Kc - Friction	
7Kd - Pressure	
7Ke - Balanced and unbalanced forces	
Long Answer Question	

7L – Sound	
7La - Frequency & Pitch	
7Lb - Soundwaves	
7Lc - Hearing	
7Ld - Uses of sound waves	
7Le - Interactions of Waves	
Long Answer Question	

June Exam