

Year 8 – Science Curriculum

Introduction & Safety	
Recap to safety in the lab	
Hazards signs	
Safety exam	

8A – Food and Nutrition	
8Aa - Food Groups	
8Ab - Uses of foods, vitamins and minerals	
8Ac - Balanced diets	
8Ad - Digestion	
8Ae - Food Absorption	
Long Answer Question	

8E - Combustion	
8Ea - Combustion of fuels	
8Eb - Oxidation	
8Ec - Fire safety	
8Ed - Pollution	
8Ee - Global warming	
Long Answer Question	

8B – Plants and their reproduction	
8Ba – classification of organisms	
8Bb – Reproduction in plants	
8Bc – Flowers	
8Bd – Seeds and dispersal	
8Be – Germination	
Long Answer Question	

8I – Fluids	
8Ia - The particle model	
8Ib - Changes of state	
8Ic - Pressure in fluids	
8Id - Density	
8Ie - Drag	
Long Answer Question	

December Exam

8C – Breathing and Respiration	
8Ca - Aerobic respiration	
8Cb - Gas exchange	
8Cc - Oxygen transport	
8Cd - Different forms of gas exchange	
8Ce - Anaerobic respiration	
Long Answer Question	

8D – Unicellular organisms	
8Da - Classification of microorganisms	
8Db – Uses of yeast	
8Dc – Bacterial growth	
8Dd – Protoctists	
8De – Decomposition	
Long Answer Question	

8F – The Periodic Table	
8Fa – Dalton’s atomic model	
8Fb – Chemical reactions	
8Fc – The periodic table	
8Fd – Predicting properties	
8Fe – Describing reactions and trends	
Long Answer Question	

8G – Metals and their uses	
8Ga - The properties of metals	
8Gb – Corrosion	
8Gc - Reactions of metals and water	
8Gd - Reactions of metals and acids	
8Ge - Comparing pure metals and alloys	
Long Answer Question	

8H – Rocks	
8Ha - Properties of rocks	
8Hb - Igneous and Metamorphic rocks	
8Hc - Weathering	
8Hd - Sedimentary Rocks & the Rock Cycle	
8He - Mining and natural resources	
Long Answer Question	

8J – Light	
8Ja – Travelling Light	
8Jb – Reflection	
8Jc – Refraction	
8Jd – Applications of reflection and refraction	
8Je – Dispersion and colour	
Long Answer Question	

8K – Energy Transfers	
8Ka – Heatt energy	
8Kb – Conduction, Convection and Radiation	
8Kc – Insulation	
8Kd – Efficiency	
8Ke – Understanding an energy bill	
Long Answer Question	

8L – Earth and Space	
8La - Models of the solar system	
8Lb - Seasons	
8Lc - Magnetic Earth	
8Ld - Gravity	
8Le - Beyond the solar system	
Long Answer Question	

June Exam