

## Third Form Science 2023/24

Michaelmas	Lent	Summer
<p><u>Chemistry</u>  <b>C1 Atomic Structure</b>            C1.1 Atoms            C1.2 Chemical Changes            C1.3 Separating mixtures            C1.4 Fractional distillation and paper chromatography            C1.5 History of the atom            C1.6 Structure of the Atom            C1.7 Ions, atoms, and isotopes            C1.8 Electronic Structure</p> <p><u>Biology</u>  <b>B1 Cell structure and Transport</b>            B1.1 The world of the microscope            B1.2 Animal and plant cells            B1.3 Eukaryotic and Prokaryotic cells            B1.4 Specialisation in animal cells            B1.5 Specialisation in plant cells            B1.6 Diffusion</p>	<p><u>Biology</u>  <b>B1 Cell structure and Transport</b>            B1.6 Diffusion            B1.7 Osmosis            B1.8 Osmosis in plant            B1.9 Active transport            B1.10 Exchanging materials</p> <p><u>Chemistry</u>  <b>C2 The periodic table</b>            C2.1 Development of the periodic table            C2.2 Electronic Structure and the periodic table            C2.3 Group 1 - alkali metal            C2.4 Group 7 - the halogens            C2.5 Explaining trends</p> <p><u>Biology</u>  <b>B2 Cell division</b>            B2.1 Cell division            B2.2 Growth and differentiation            B2.3 Stem cells            B2.4 Stem cell dilemmas</p>	<p><u>Chemistry</u>  <b>C3 Structure and bonding</b>            C3.1 States of matter            C3.2 Atoms into ions            C3.3 Ionic bonding            C3.4 Giant ionic structures            C3.5 Covalent bonding            C3.6 Structure of simple molecules            C3.7 Giant covalent structures            C3.8 Fullerenes and graphenes            C3.9 Bonding in metals            C3.10 Giant metallic structures</p> <p><u>Biology</u>  <b>B3 Organisation and Digestive System</b>            B3.1 Tissue and organs            B3.2 The human digestive system            B3.3 The chemistry of food            B3.4 Catalysts and enzymes            B3.5 Factors affecting enzyme action            B3.6 How the digestive system works            B3.7 Making digestion efficient.</p>