

# SUBJECT: Science



## Sequence of Topics Taught 2023



| Year     | Term 1  | Term 2  | Term 3  | Term 4  |
|----------|---|---|---|---|
| 7        | Safety and Understanding in the Science Room  | State of matter (mini)<br>Mixtures and Separation <ul style="list-style-type: none"> <li>Self design practical - separating mixtures</li> </ul>   | Classification<br>Ecosystems  | Simple Machine (Force/magnets)<br><i>-look at creating self paced/individual levels</i>   |
| 8        | States of Matter<br>Energy and Energy Transfer  | Microscopes and Cells<br>Body System <ul style="list-style-type: none"> <li>Respiratory &amp; Circulatory (Digestion?)</li> <li>Dissection: heart</li> </ul> *look at creating - self paced/individual levels | Elements, Compounds and Mixtures<br>Chemical Reactions <ul style="list-style-type: none"> <li>Self design practical (rate of reaction/corrosion)</li> </ul> | Sedimentary, Igneous and Metamorphic rocks  |
| 9        | Control & Coordination <ul style="list-style-type: none"> <li>Dissection: Brain</li> </ul> Systems working together | Robotics Practical & Theory<br>Ecosystem- flow of energy & matter   | Inside an atom<br>Chemical reactions <ul style="list-style-type: none"> <li>Self - design (acids &amp; Bases)</li> </ul>                                    | Energy Transfers - Light, Sounds & Heat <ul style="list-style-type: none"> <li>Dissection: eye</li> </ul> Electrical at works - <i>(self paces and individual levels)</i> |
| Yr10 Gen | Chemical Patterns<br>Basic Chemical reactions   | Forces, energy & motion<br>Experimental procedures  | Genetics and DNA  | Evolution<br>EXAM   |
| 10 Ext   | Chemical Patterns<br>Chemical Reactions   | Forces energy and motions <ul style="list-style-type: none"> <li>Self design practical</li> </ul>   | Experimental procedures<br>Extended Experimental Investigation  | Genetics and DNA<br>Extended Research Investigation<br>EXAM   |

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