

| Year | Autumn                                                                                                                                                                                         | Spring                                                                                                                                                              | Summer                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7    | <ul style="list-style-type: none"> <li>Working scientifically</li> <li>Energy and fuels</li> <li>Cells and organisation 1</li> <li>Matter</li> </ul>                                           | <ul style="list-style-type: none"> <li>Pure and impure substances 1</li> <li>Describing forces and motion 1</li> <li>Reproduction</li> <li>Space physics</li> </ul> | <ul style="list-style-type: none"> <li>Sound waves</li> <li>Relationships in an ecosystem 1</li> <li>Chemical reactions</li> <li>Current and static electricity 1</li> </ul> |
| 8    | <ul style="list-style-type: none"> <li>Energy changes and systems 1</li> <li>Cellular respiration 1</li> <li>Human organ systems and health</li> <li>Atoms and The Periodic Table 1</li> </ul> | <ul style="list-style-type: none"> <li>Forces and pressure</li> <li>Photosynthesis 1</li> <li>Energy and reactions</li> <li>Light waves</li> </ul>                  | <ul style="list-style-type: none"> <li>Genetics and evolution</li> <li>Earth and atmosphere 1</li> <li>Magnetism 1</li> </ul>                                                |
| 9    | <ul style="list-style-type: none"> <li>Cell Biology</li> <li>Atomic structure and periodic table</li> <li>Energy</li> </ul>                                                                    | <ul style="list-style-type: none"> <li>Organisation</li> <li>Structure and bonding</li> <li>Electricity</li> </ul>                                                  | <ul style="list-style-type: none"> <li>Bioenergetics</li> <li>Chemical changes</li> <li>Particle models of matter</li> </ul>                                                 |
| 10   | Biology- <ul style="list-style-type: none"> <li>Ecology</li> <li>Health, infection and response</li> </ul>                                                                                     | Biology- <ul style="list-style-type: none"> <li>Health, infection and response</li> </ul>                                                                           | Biology- <ul style="list-style-type: none"> <li>Inheritance, variation and evolution</li> </ul>                                                                              |

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|    | <p>Chemistry-</p> <ul style="list-style-type: none"> <li>• Structure and bonding</li> <li>• Rates of reaction</li> </ul> <p>Physics-</p> <ul style="list-style-type: none"> <li>• Conservation and dissipation of energy</li> <li>• Electrical circuits and electricity in the home</li> </ul>                                                                                                                                          | <ul style="list-style-type: none"> <li>• Inheritance, variation and evolution</li> </ul> <p>Chemistry-</p> <ul style="list-style-type: none"> <li>• Quantitative chemistry</li> <li>• Chemical changes</li> </ul> <p>Physics-</p> <ul style="list-style-type: none"> <li>• Molecules and matter</li> <li>• Radioactivity</li> <li>• Forces in balance</li> </ul> | <ul style="list-style-type: none"> <li>• Homeostasis and response</li> </ul> <p>Chemistry-</p> <ul style="list-style-type: none"> <li>• Electrolysis</li> <li>• Organic chemistry</li> </ul> <p>Physics-</p> <ul style="list-style-type: none"> <li>• Forces in balance</li> <li>• Motion</li> <li>• Forces and motion</li> <li>• Space</li> </ul> |
| 11 | <p>Biology-</p> <ul style="list-style-type: none"> <li>• Homeostasis and response</li> <li>• Ecology</li> <li>• Inheritance</li> </ul> <p>Chemistry-</p> <ul style="list-style-type: none"> <li>• Organic</li> <li>• Chemical analysis</li> <li>• Earth's atmosphere</li> <li>• Using resources</li> <li>• Atomic structure and The Periodic Table</li> </ul> <p>Physics-</p> <ul style="list-style-type: none"> <li>• Waves</li> </ul> | <ul style="list-style-type: none"> <li>• Tailored Paper 1 and 2 flashbacks</li> <li>• Mock exam series paper 2</li> </ul>                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>• Tailored revision in preparation for GCSE examination</li> </ul>                                                                                                                                                                                                                                          |

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|  | <ul style="list-style-type: none"><li>• Electromagnetism</li><li>• Space physics</li><li>• Mock paper 1</li></ul> |  |  |
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## Curriculum overview – Science- Hermitage.