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| **Curriculum Plan for Parents – Year 8** |

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| **Subject** | Science | **Contact Person** | Mr P Merryweather |

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| **Half term and topic** | **Your child will learn....** | **Key Homework** | **Assessment** |
| Autumn 1 | **Nutrition and Digestion**  The key components of a balanced diet and how your body obtains these from your food | Learn key words and their meanings | Describe how food is digested by your body.  End of topic test |
| Autumn 2 | **Ecology and Photosynthesis**  Interdependence of living things. How plants make food by photosynthesis.  **Electricity**  Current, voltage and resistance | Learn key words and their meanings | Half term test  Electrical circuits assessment |
| Spring 1 | **Magnetism**  Magnetic fields and electromagnets  **Sound and Light**  Amplitude and frequency changes of sounds, reflection, refraction and colours | Learn key words and their meanings | Mid-Year exam  Electromagnets assessment  Uses of reflection assessment |
| Spring 2 | **Waves**  Wave effects and wave properties.  **Chemistry 1**  Metals and non-metals, acids and alkalis. | Learn key words and their meanings | Half term test  Waves assessment  Using acids and alkalis assessment |
| Summer 1 | **Chemistry 2**  Chemical energy, types of reaction and the periodic table. | Learn key words and their meanings | Half term test  Energy changes in chemistry assessment  Developing the periodic table assessment |
| Summer 2 | **Earth and Space**  Length of day, climate and using the Earth’s resources | Learn key words and their meanings | Year-end Exam  Effect of using Earth’s resources on environment assessment. |