

|                        | Biology  |   |
|------------------------|--|---|
|                        | Teacher 1  | Teacher 2   |
| <b>Y12 Half Term 1</b> | Intro to Biology<br>CPAC<br><b>Unit 1 – Biological Molecules</b><br>Biological molecules intro<br>Polymers & monomers<br>Carbohydrates<br>Lipids<br>Proteins & Enzymes | Intro to Biology<br>Maths skills<br><b>Unit 2 - Cells</b><br>Cells<br>Cell Structure<br>Prokaryotes<br>Studying cells<br>Cells division |
| <b>Y12 Half Term 2</b> | <b>Unit 1 – Biological Molecules</b><br>Enzymes<br>Nucleic Acid<br>ATP<br>Water & inorganic ions   | <b>Unit 2 - Cells</b><br>Cell division<br>Transport across membrane<br>Immune system  |
| <b>Y12 Half Term 3</b> | <b>Unit 4 - Variation</b><br>Variation<br>DNA & protein synthesis  | <b>Unit 4 - Exchange</b><br>Exchange<br>Surface area: Vol ratio<br>Gas Exchange   |
| <b>Y12 Half Term 4</b> | <b>Unit 4 - Variation</b><br>Genetic diversity<br>Species & Taxonomy<br>Bio Diversity<br>Investigating Diversity   | <b>Unit 4 - Exchange</b><br>Gas Exchange<br>Digestion<br>Transport in animals   |
| <b>Y12 Half Term 5</b> | <b>Unit 4 - Variation</b><br>Populations in Ecosystems<br>Succession   | <b>Unit 4 - Exchange</b><br>Gas Exchange<br>Digestion<br>Transport in animals   |
| <b>Y12 Half Term 6</b> | <b>Unit 5 – Energy Transfer</b><br>Succession  | <b>Unit 5 – Energy Transfer</b><br>Nutrient cycles  |
| <b>Y13 Half Term 1</b> | <b>Unit 7 - Ecology</b><br>Succession & Field Trip<br>Inheritance<br>Populations   | <b>Unit 5 – Energy Transfer</b><br>Photosynthesis<br>Respiration  |

**BIOLOGY****A LEVEL AQA SPECIFICATION**

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|----------------------------|--|---|
| <b>Y13 Half<br/>Term 2</b> | Evolution<br>Control of Genes<br>Mutations           | Respiration<br>Energy & Ecosystems<br>Survival & Response         |
| <b>Y13 Half<br/>Term 3</b> | Regulation of protein synthesis                      | Control of heart rate   |
| <b>Y13 Half<br/>Term 4</b> | Gene expression<br>Genome project<br>Gene technology | Control of Heart rate<br>Nervous system<br>Muscles<br>Homeostasis |
| <b>Y13 Half<br/>Term 5</b> | Gene Technology<br><b>revision and past papers</b>   | Homeostasis<br><b>revision and past papers</b>                    |