

**Year: 12****Subject: Chemistry**

| Half Term   | Wk1                                   | Wk2                          | Wk3                                       | Wk4                  | Wk5 <b>liL</b>  | Wk6             | Wk7                        | Wk8               |  |  |
|---|---------------------------------------|------------------------------|---|----------------------|-----------------|-----------------|----------------------------|-------------------|--|--|
| <b>Half Term 1</b><br>1 <sup>st</sup> Sept – 24 <sup>th</sup> October)<br>8 weeks       | 1.1 Atomic Structure                  |                              |   | 1.3 Bonding          |                 |                 |                            |                   | October Half Term Holiday  |  |
|   | 1.2 Amount of Substance               |                              |   |                      |                 |                 |                            |                   |  |  |
|   |                                       |                              |   |                      |                 |                 |                            |                   |  |  |
| <b>Half Term 2</b><br>(3 <sup>rd</sup> November – 19 <sup>th</sup> December)<br>7 weeks | Wk9                                   | Wk10                         | Wk11                                      | Wk12                 | Wk13            | Wk14            | Wk15                       | Christmas Holiday |  |  |
|   | 1.4 Energetics                        |                              |   |                      | 1.5 Kinetics    |                 |                            |                   |  |  |
|   | 3.1 Introduction to Organic Chemistry |                              |   | 3.2 Alkanes          |                 |                 |                            |                   |  |  |
| <b>Half Term 3</b><br>(5 <sup>th</sup> January – 13 <sup>th</sup> February)<br>6 weeks  | Wk16                                  | Wk17                         | Wk18 <b>ICA</b>                           | Wk19                 | Wk20 <b>LC1</b> | Wk21            | February Half Term Holiday |                   |  |  |
|   | 1.6 Equilibrium                       |                              |   | 1.7 REDOX            |                 |                 |                            |                   |  |  |
|   | 3.2 Halogenoalkanes                   |                              |   | 3.3 Alkenes          |                 |                 |                            |                   |  |  |
| <b>Half Term 4</b><br>(3 <sup>rd</sup> February – 27 <sup>th</sup> March)<br>5 weeks    | Wk22                                  | Wk23 <b>PE</b>               | Wk24                                      | Wk25                 | Wk26 <b>T</b>   | Easter Holiday  |                            |                   | <b>KEY</b><br><br><b>ICA</b> – Internal Class Assessment<br><b>LC</b> – Learning Cycle Week<br><b>PE</b> – Parents Evening<br><b>liL</b> – Investment in learning data drop<br><b>Trial</b> – Trial Period<br><b>WE</b> – Work Experience<br><b>IDC</b> – Internal Data Collection |  |
|   | 2.2 Periodicity                       |                              | 2.1 Gp2 + Gp7                             |                      | Trial Exam      |                 |                            |                   |  |  |
|   | 3.3 Alcohols                          |                              |   | 3.4 Organic Analysis |                 |                 |                            |                   |  |  |
| <b>Half Term 5</b><br>(13 <sup>th</sup> April – 22 <sup>nd</sup> May)<br>6 weeks        | Wk27                                  | Wk28 <b>LC2</b>              | Wk29                                      | Wk30                 | Wk31            | Wk32            | May Half Term              |                   |  |  |
|   | 2.1 Gp2 + Gp7                         | Year 13 topic Thermodynamics |   |                      |                 |                 |                            |                   |  |  |
|   | 3.4 Organic Analysis                  |                              | Year 13 topic – Further Organic Chemistry |                      |                 |                 |                            |                   |  |  |
| <b>Half Term 6</b><br>(1 <sup>st</sup> June – 17 <sup>th</sup> July)<br>7 weeks         | Wk33 <b>WE</b>                        | Wk34 <b>WE</b>               | Wk35                                      | Wk36                 | Wk37            | Wk38 <b>IDC</b> | Wk39                       | Summer Holiday    |  |  |
|   | Work Experience                       |                              | Year 13 topic Thermodynamics              |                      |                 |                 |                            |                   |  |  |
|   |                                       |                              | Year 13 topic – Further Organic Chemistry |                      |                 |                 |                            |                   |  |  |

**Year: 12****Subject: Chemistry – V2 CGR+JBI**

| <b>Half Term</b>  | <b>Wk1</b>                                       | <b>Wk2</b>             | <b>Wk3</b>                          | <b>Wk4</b>                                   | <b>Wk5 <i>iL</i></b>   | <b>Wk6</b>                     | <b>Wk7</b>                        | <b>Wk8</b>  | <b>October Half Term Holiday</b> |
|---|--|------------------------|-------------------------------------|--|------------------------|--------------------------------|-----------------------------------|---|----------------------------------|
| <b>1</b><br>1 <sup>st</sup> Sept – 24 <sup>th</sup> October)<br>8 weeks       | <b>1.1 Atomic Structure</b>                      |                        |                                     | <b>3.1 Introduction to Organic Chemistry</b> |                        |                                | <b>3.2 Alkanes</b>                |   |                                  |
|   | <b>1.3 Bonding</b>                               |                        |                                     |  |                        | <b>1.2 Amount of Substance</b> |                                   |   |                                  |
| <b>Half Term</b>  | <b>Wk9</b>                                       | <b>Wk10</b>            | <b>Wk11</b>                         | <b>Wk12</b>                                  | <b>Wk13</b>            | <b>Wk14</b>                    | <b>Wk15</b>                       | <b>Christmas Holiday</b>  |                                  |
| <b>2</b><br>(3 <sup>rd</sup> November – 19 <sup>th</sup> December)<br>7 weeks | <b>3.2 Alkanes</b>                               |                        | <b>3.2 Halogenoalkanes</b>          |  |                        | <b>1.4 Energetics</b>          |                                   |   |                                  |
|   | <b>1.2 Amount of Substance</b>                   |                        |                                     |  | <b>3.3 Alkenes</b>     |                                |                                   |   |                                  |
| <b>Half Term</b>  | <b>Wk16</b>                                      | <b>Wk17</b>            | <b>Wk18 <i>ICA</i></b>              | <b>Wk19</b>                                  | <b>Wk20 <i>LC1</i></b> | <b>Wk21</b>                    | <b>February Half Term Holiday</b> |   |                                  |
| <b>3</b><br>(5 <sup>th</sup> January – 13 <sup>th</sup> February)<br>6 weeks  | <b>1.4 Energetics</b>                            |                        | <b>1.5 Kinetics</b>                 |  |                        | <b>1.6 Equilibrium</b>         |                                   |   |                                  |
|   | <b>3.3 Alcohols</b>                              |                        |                                     | <b>3.4 Organic Analysis</b>                  |                        |                                |                                   |   |                                  |
| <b>Half Term</b>  | <b>Wk22</b>                                      | <b>Wk23 <i>PE</i></b>  | <b>Wk24</b>                         | <b>Wk25</b>                                  | <b>Wk26 <i>T</i></b>   | <b>Easter Holiday</b>          |                                   | <b>KEY</b><br><br><i>ICA</i> – Internal Class Assessment<br><i>LC</i> – Learning Cycle Week<br><i>PE</i> – Parents Evening<br><i>iL</i> – Investment in learning data drop<br><i>Trial</i> – Trial Period<br><i>WE</i> – Work Experience<br><i>IDC</i> – Internal Data Collection |                                  |
| <b>4</b><br>(3 <sup>rd</sup> February – 27 <sup>th</sup> March)<br>5 weeks    | <b>1.6 Equilibrium</b>                           |                        |                                     | <b>Trial revision</b>                        | <b>Trial Exam</b>      |                                |                                   |   |                                  |
|   | <b>3.4 Organic Analysis</b>                      |                        |                                     |  |                        |                                |                                   |   |                                  |
| <b>Half Term</b>  | <b>Wk27</b>                                      | <b>Wk28 <i>LC2</i></b> | <b>Wk29</b>                         | <b>Wk30</b>                                  | <b>Wk31</b>            | <b>Wk32</b>                    | <b>May Half Term</b>              |   |                                  |
| <b>5</b><br>(13 <sup>th</sup> April – 22 <sup>nd</sup> May)<br>6 weeks        | <b>1.7 REDOX</b>                                 |                        |                                     | <b>Year 13 topic Thermodynamics</b>          |                        |                                |                                   |   |                                  |
|   | <b>2.2 Periodicity</b>                           |                        |                                     | <b>2.1 Gp2 + Gp7</b>                         |                        |                                |                                   |   |                                  |
| <b>Half Term</b>  | <b>Wk33 <i>WE</i></b>                            | <b>Wk34 <i>WE</i></b>  | <b>Wk35</b>                         | <b>Wk36</b>                                  | <b>Wk37</b>            | <b>Wk38 <i>IDC</i></b>         | <b>Wk39</b>                       | <b>Summer Holiday</b>   |                                  |
| <b>6</b><br>(1 <sup>st</sup> June – 17 <sup>th</sup> July)<br>7 weeks         | <b>Work Experience</b>                           |                        | <b>Year 13 topic Thermodynamics</b> |  |                        |                                |                                   |   |                                  |
|   | <b>Year 13 topic – Further Organic Chemistry</b> |                        |                                     |  |                        |                                |                                   |   |                                  |

# Year: 13

# Subject: Biology

|   |  |                   |                                |                   |                   |                             |                                   |                          |  |     |
|---|--|-------------------|--------------------------------|-------------------|-------------------|-----------------------------|-----------------------------------|--------------------------|--|-----|
| <b>Half Term 1</b><br>1 <sup>st</sup> Sept – 24 <sup>th</sup> October)<br>8 weeks       | Wk1  | Wk2               | Wk3                            | Wk4               | Wk5               | Wk6 <b>Trial</b>            | Wk7 <b>Trial</b>                  | Wk8                      | <b>October Half Term Holiday</b>   |     |
|   | 3.7.4 Populations in Ecosystems                      |                   |                                | CRANEDALE         | 3.5               | Trial [Paper 1]             |                                   | 3.5                      |  |     |
|   | 3.6 Stimuli and Responses                            |                   |                                |                   | 3.6               |                             |                                   | 3.6                      |  |     |
| <b>Half Term 2</b><br>(3 <sup>rd</sup> November – 19 <sup>th</sup> December)<br>7 weeks | Wk9 <b>LC1</b>                                       | Wk10              | Wk11                           | Wk12              | Wk13              | Wk14                        | Wk15 <b>ICA</b>                   | <b>Christmas Holiday</b> |  |     |
|   | 3.5 Energy Transfers, Ecosystems and Nutrient Cycles |                   |                                | 3.7.1 Inheritance |                   |                             |                                   |                          |  |     |
|   | 3.6 Stimuli and Responses                            |                   |                                |                   |                   |                             |                                   |                          |  |     |
| <b>Half Term 3</b><br>(5 <sup>th</sup> January – 13 <sup>th</sup> February)<br>6 weeks  | Wk16 <b>LC2</b>                                      | Wk17              | Wk18 <b>PE</b>                 | Wk19              | Wk20              | Wk21 <b>Trial</b>           | <b>February Half Term Holiday</b> |                          |  |     |
|   | 3.7.2-3 Population Genetics and Evolution            |                   |                                |                   |                   | Trial [paper 2 and paper 3] |                                   |                          |  |     |
|   | 3.8 Control of Gene Expression                       |                   |                                |                   |                   |                             |                                   |                          |  |     |
| <b>Half Term 4</b><br>(3 <sup>rd</sup> February – 27 <sup>th</sup> March)<br>5 weeks    | Wk22 <b>Trial</b>                                    | Wk23              | Wk24                           | Wk25              | Wk26 <b>LC3</b>   | <b>Easter Holiday</b>       |                                   |                          | <b>KEY</b><br><br><b>ICA</b> – Internal Class Assessment<br><b>LC</b> – Learning Cycle Week<br><b>PE</b> – Parents Evening<br><b>iL</b> – Investment in learning data drop<br><b>Trial</b> – Trial Period<br><b>WE</b> – Work Experience |     |
|   | Trial [paper 2 and paper 3]                          |                   | 3.8 DNA Technology             |                   |                   |                             |                                   |                          |  | EEP |
|   |  |                   | 3.8 Control of Gene Expression |                   |                   |                             |                                   |                          |  | EEP |
| <b>Half Term 5</b><br>(13 <sup>th</sup> April – 22 <sup>nd</sup> May)<br>6 weeks        | Wk27   | Wk28              | Wk29 <b>Exams</b>              | Wk30 <b>Exams</b> | Wk31 <b>Exams</b> | Wk32 <b>Exams</b>           | <b>May Half Term</b>              |                          |  |     |
|   | Examination and Essay Preparation                    |                   |                                |                   |                   |                             |                                   |                          |  |     |
|   | Examination and Essay Preparation                    |                   |                                |                   |                   |                             |                                   |                          |  |     |
| <b>Half Term 6</b><br>(1 <sup>st</sup> June – 17 <sup>th</sup> July)<br>7 weeks         | Wk33 <b>Exams</b>                                    | Wk34 <b>Exams</b> | Wk35 <b>Exams</b>              | Wk36              | Wk37              | Wk38                        | Wk39                              | <b>Summer Holiday</b>    |  |     |
|   |  |                   |                                |                   |                   |                             |                                   |                          |  |     |

**Year: 13**

**Subject:**

| Half Term  | Wk1                                 | Wk2                              | Wk3                                   | Wk4             | Wk5                       | Wk6 Trial             | Wk7 Trial                  | Wk8               | October Half Term Holiday |  |
|--|-------------------------------------|----------------------------------|---------------------------------------|-----------------|---------------------------|-----------------------|----------------------------|-------------------|---------------------------|--|
| <b>1</b><br>(2 <sup>nd</sup> Sept – 25 <sup>th</sup> October)<br>8 weeks       | 1.8 Thermodynamics                  |                                  |                                       |                 |                           |                       |                            |                   |                           |  |
|  | 3.7 Optical Isomerism               |                                  |                                       |                 | 3.8 Aldehydes and Ketones |                       |                            |                   |                           |  |
| Half Term  | Wk9 LC1                             | Wk10                             | Wk11                                  | Wk12            | Wk13                      | Wk14                  | Wk15 ICA                   | Christmas Holiday |                           |  |
| <b>2</b><br>(04 <sup>th</sup> November – 20 <sup>th</sup> December)<br>7 weeks | 1.9 Rate of Reaction                |                                  |                                       | 1.10            |                           | 1.11 Electrochemistry |                            |                   |                           |  |
|  | 3.9 Carboxylic Acid and Derivatives |                                  |                                       |                 | 3.10 Aromatic Chemistry   |                       |                            |                   |                           |  |
| Half Term  | Wk16 LC2                            | Wk17                             | Wk18 PE                               | Wk19            | Wk20                      | Wk21 Trial            | February Half Term Holiday |                   |                           |  |
| <b>3</b><br>(06 <sup>th</sup> January – 14 <sup>th</sup> February)<br>6 weeks  | 1.12 Acids and Bases                |                                  |                                       | 2.4 Period 3    |                           |                       |                            |                   |                           |  |
|  | 3.11 Amines                         |                                  | 3.12 Polymers                         |                 |                           |                       |                            |                   |                           |  |
| Half Term  | Wk22 Trial                          | Wk23                             | Wk24                                  | Wk25            | Wk26 LC3                  | Easter Holiday        |                            |                   |                           |  |
| <b>4</b><br>(24 <sup>th</sup> February – 28 <sup>th</sup> March)<br>5 weeks    | 2.5 Transition Metals and Aq ions   |                                  |                                       |                 |                           |                       |                            |                   |                           |  |
|  | 3.13 DNA                            |                                  | 3.14 Organic Synthesis                |                 | 3.15 + 3.16               |                       |                            |                   |                           |  |
| Half Term  | Wk27                                | Wk28                             | Wk29 Exams                            | Wk30 Exams      | Wk31 Exams                | Wk32 Exams            | May Half Term              |                   |                           |  |
| <b>5</b><br>(14 <sup>th</sup> April – 23 <sup>rd</sup> May)<br>6 weeks         | Content Consolidation               |                                  | Content Consolidation when in lessons |                 |                           |                       |                            |                   |                           |  |
|  | Content consolidation               |                                  |                                       |                 |                           |                       |                            |                   |                           |  |
| Half Term  | Wk33 Exams                          | Wk34 Exams                       | Wk35 Exams                            | Wk36            | Wk37                      | Wk38                  | Wk39                       | Summer Holiday    |                           |  |
| <b>6</b><br>(02 <sup>nd</sup> June – 18 <sup>th</sup> July)<br>7 weeks         | Consolidatio                        | Paper 1 Tues 10 <sup>th</sup> am | Paper 2 Mon 16 <sup>th</sup> am       | Course complete |                           |                       |                            |                   |                           |  |
|  | Content Consolidation               |                                  | Paper 3 Fri 20 <sup>th</sup> am       |                 |                           |                       |                            |                   |                           |  |

ILC = Learning Cycle Point  
 ICA = In Class Assessment  
 IDC = Internal Data Collection  
 IIL DD = Investment Data Drop  
 Trial = Trial Exam Period  
 Exam = Examination Period  
 PE = Parents Evening  
 ● = Key Assessment

# Key

|              |   |   |
|--------------|---|---|
| <b>ICA</b>   | = | <b>Internal Class Assessment</b>        |
| <b>LC</b>    | = | <b>Learning Cycle Week</b>              |
| <b>PE</b>    | = | <b>Parents Evening</b>                  |
| <b>liL</b>   | = | <b>Investment in learning data drop</b> |
| <b>Trial</b> | = | <b>Trial Period</b>                     |
| <b>WE</b>    | = | <b>Work Experience</b>                  |