

## Scope and Sequence Document for: IGCSE Coordinated Science

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|-----------------------|--|--|-------------------------------------|
| Tutor                 | Karen Gorman   |  |                                     |
| Tutor qualifications: | B.Ed. hons., (Hallam)  | IGCSE/A level Exam board & Specification No: | IGCSE Coordinated Science CAiE 0654 |
| Resources required:   | Cambridge IGCSE Chemistry Coursebook, (2014), Richard Harwood & Ian Lodge, ISBN 9781107615038, CUP;<br>Cambridge IGCSE Physics Coursebook, (2014), David Sang, ISBN - 9781107614581, CUP;<br>Cambridge IGCSE Biology Coursebook, (2014), Mary Jones & Geoff Jones, ISBN 9781107614796, CUP;<br>Cambridge IGCSE Physics Workbook, (2014), David Sang, ISBN 9781107614888, CUP;<br>Cambridge IGCSE Chemistry Workbook, (2014), Richard Harwood & Ian Lodge, ISBN 9781107614994, CUP;<br>Cambridge IGCSE Biology Workbook, (2014), Mary Jones & Geoff Jones, ISBN 9781107614932, CUP. |  |                                     |

| Module No. | NSW week No. | Week beginning Monday the: | Contents of study                              |
|------------|--------------|----------------------------|--|
| R          | 1            | 06/09/21                   | Practical skills revision                      |
| 1a(i)      | 2            | 13/09/21                   | Materials – states of matter                   |
| 1a(ii)     | 3            | 20/09/21                   | Materials – atomic structure                   |
|            | 4            | 27/09/21                   |  |
| 1b(i)      | 5            | 04/10/21                   | Materials – chemical reactions                 |
|            | 6            | 11/10/21                   |  |
| 1b(ii)     | 7            | 18/10/21                   | Materials – periodic table                     |
|            | 8            | 25/10/21                   | Half Term                                      |
| 1b(ii)     | 9            | 01/11/21                   | Materials – periodic table                     |
| 2          | 10           | 08/11/21                   | Cells and classification                       |
| 3          | 11           | 15/11/21                   | Transport in humans                            |
|            | 12           | 22/11/21                   |  |
| 4          | 13           | 29/11/21                   | Forces and their effect + practical exercise   |
|            | 14           | 06/12/21                   |  |
| 5a         | 15           | 13/12/21                   | The earth's resources – acids, bases and salts |
|            | 16           | 20/12/21                   | Christmas Holiday                              |
|            | 17           | 27/12/21                   | Christmas Holiday                              |
|            | 18           | 03/01/22                   | Christmas Holiday                              |

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|---|----|----------|--|
| 5b  | 19 | 10/01/22 | Earth's resources - important chemicals                      |
|   | 20 | 17/01/22 |  |
| 5c  | 21 | 24/01/22 | Earth's resources – fuels and polymers                       |
| 6a  | 22 | 31/01/22 | Diet and digestion- biological molecules                     |
|   | 23 | 07/02/22 |  |
|   | 24 | 14/02/22 | Half Term  |
| 6b  | 25 | 21/02/22 | Diet and digestion – digestive system                        |
|   | 26 | 28/02/22 |  |
| 7   | 27 | 07/03/22 | Respiration and gas exchange                                 |
|   | 28 | 14/03/22 |  |
| 8   | 29 | 21/03/22 | Homeostasis and coordination                                 |
|   | 30 | 28/03/22 |  |
|   | 31 | 04/04/22 | Easter Holiday   |
|   | 32 | 11/04/22 | Easter Holiday   |
|   | 33 | 18/04/22 | Easter Holiday   |
| 9a  | 34 | 25/04/22 | Energy - energy resources                                    |
| 9b  | 35 | 02/05/22 | Energy - heat and heat transfer                              |
|   | 36 | 09/05/22 |  |
|   | 37 | 16/05/22 | Revision and exam  |
| 10  | 38 | 23/05/22 | Nutrition in plants  |
|   | 39 | 30/05/22 | Half Term  |
| 11  | 40 | 06/06/22 | Transport in plants  |
|   | 41 | 13/06/22 |  |
|   | 42 | 20/06/22 | Practical skills 1   |
| 12a   | 43 | 27/06/22 | Practical ecology  |
| NSW Summer holiday period – 4 July – 5 September 2122 |    |          |  |
|   | 1  | 05/09/22 | Practical skills 2   |
| 12b   | 2  | 12/09/22 | Organisms and the environment                                |
|   | 3  | 19/09/22 |  |
| 13a   | 4  | 26/09/22 | Waves and radioactivity – waves and electromagnetic spectrum |
|   | 5  | 03/10/22 |  |

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| 13b | 6  | 10/10/22 | Waves and radioactivity - radioactivity |
|     | 7  | 17/10/22 |   |
|     | 8  | 24/10/22 | Half Term                               |
| 14a | 9  | 31/10/22 | Reproduction – cell division            |
| 14b | 10 | 07/11/22 | Reproduction – plants and animals       |
|     | 11 | 14/11/22 |   |
| 15  | 12 | 21/11/22 | Variation and genetics                  |
|     | 13 | 28/11/22 |   |
|     | 14 | 05/12/22 | Practical revision                      |
|     | 15 | 12/12/22 |   |
|     | 16 | 19/12/22 | Christmas Holiday                       |
|     | 17 | 26/12/22 | Christmas Holiday                       |
|     | 18 | 02/01/23 | Christmas Holiday                       |
|     | 19 | 09/01/23 | Mock exam                               |
| 16a | 20 | 16/01/23 | Magnetism                               |
| 16b | 21 | 23/01/23 | Electricity                             |
|     | 22 | 30/01/23 |   |
| 16c | 23 | 06/02/23 | Magnetism and electricity               |
|     | 24 | 13/02/23 |   |
|     | 25 | 20/02/23 | Half Term                               |
|     | 26 | 27/02/23 | Revision                                |
|     | 27 | 06/03/23 |   |
|     | 28 | 13/03/23 | Practise revision questions             |
|     | 29 | 20/03/23 |   |
|     | 30 | 27/03/23 |   |
|     | 31 | 03/04/23 | Easter Holiday                          |
|     | 32 | 10/04/23 | Easter Holiday                          |
|     | 33 | 17/04/23 | Easter Holiday                          |
|     | 34 | 24/04/23 |   |
|     | 35 | 01/05/23 |   |
|     | 36 | 08/05/23 |   |
|     | 37 | 15/05/23 |   |
|     | 38 | 22/05/23 |   |

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|  | 39 | 29/05/23 | Half Term |
|  | 40 | 05/06/23 |           |
|  | 41 | 12/06/23 |           |
|  | 42 | 19/06/23 |           |
|  | 43 | 26/06/23 |           |