

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GCSE Combined Science - Synergy** | | | | | |
| **Year 2** |  |  |  |  |  |
| **Autumn term 2021** |  |  |  |  |  |
| **Topic and time** |  | **Teaching and links** | **Topic and time** |  | **Teaching and links** |
| 4.3.2 Radiation and risk | 6 | Atomic structure | 4.7.2 Electricity | 13 | Forces and energy changed |
|  |  | Waves | RP11 and RP 12 |  | Magnetism and electromagnetism |
|  |  |  | 4.7.3 Acids and alkalis | 7 | The periodic table |
|  |  |  | RP13 |  | Chemical quantities |
| 4.3.3 Preventing, treating and curing diseases | 13 | Lifestyle and health | 4.7.4 The rate and extent of chemical change | 11 | The periodic table |
|  |  | Waves | RP14 and RP15 |  | Chemical quantities |
|  |  |  |  |  | Systems in the human body |
| 4.4.1 The Earth's atmosphere | 10 | Plants and photosynthesis | 4.7.5 Atoms into ions and ions into atoms | 5 | The periodic table |
| RP7 |  | Carbon chemistry | RP16 |  | Chemical quantities |
|  |  | Resources of materials and energy |  |  |  |
| 4.4.2 Ecosystems and biodiversity | 7 | Waves |  |  |  |
| RP8 |  | Plants and photosynthesis |  |  |  |
|  |  | Carbon chemistry |  |  |  |
|  |  | Resources of materials and energy |  |  |  |
|  |  |  |  |  |  |
| Number of hours | 36 |  | Number of hours | 36 |  |
| **Total number of hours** | **72** |  |  |  |  |
| **School days in term** | **72** |  |  |  |  |
|  |  |  |  |  |  |
| **Spring term 2022** |  |  |  |  |  |
| **Topic and time** |  | **Teaching and links** | **Topic and time** |  | **Teaching and links** |
| 4.4.3 Inheritance | 5 | Cells in animals and plants | 4.8.1 Carbon chemistry | 12 | The periodic table |
|  |  | Variation and evolution |  |  | Chemical quantities |
| 4.4.4 Variation and evolution | 7 | Inheritance |  |  | Structure and bonding |
|  |  | The rateand extent of chemical exchange |  |  | The Earth's atmoshpere |
|  |  |  |  |  | Ecosystems and biodiversity |
|  |  |  | 4.8.2 Resources of materials and energy | 8 | The Earth's atmosphere |
|  |  |  |  |  | Ecosystems and biodiversity |
|  |  |  |  |  | The periodic table |
|  |  |  |  |  | Atoms into ions and ions into atoms |
| Number of hours | 12 |  | Number of hours | 20 |  |
| **Total number of hours** | **32** |  |  |  |  |
| **School days in term** | **58** |  |  |  |  |
| Revision | | | | | |
|