

Core

| Exam board: AQA   | Course Code: 8464  |
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| Outline of course:  |  |
| the knowledge, methods, proces  | ill allow all students to learn essential aspects of<br>ses and uses of science. This course will allow<br>d can be described through scientific detail. |
| Students who wish to select separ   | rate Sciences ('Triple Science') should see p.11.  |
| <ul> <li>number of key ideas which include</li> <li>the use of conceptual models diversity of natural phenomene</li> <li>the assumption that every effered that change is driven by differed when they interact</li> <li>that many such interactions of direct contact</li> <li>that science progresses throug experimentation, observation,</li> </ul> | and theories to make sense of the observed<br>a  |
| Paper 1: Biology 1: Cell Biology; C<br>Bioenergetics.   | organisation; Infection and response;  |
| Paper 2: Biology 2: Homeostasis a evolution; Ecology.   | nd response; Inheritance; Variation and  |
| • •   | cture and the periodic table; Bonding,<br>atter; Quantitative chemistry; Chemical  |
|   | d extent of chemical change; Organic<br>emistry of the atmosphere; Using resources.  |
| Paper 5: Physics 1: Energy; Electric  | city; Particle model of matter; Atomic structure.  |
| Paper 6: Physics 2: Forces; Waves;  | ; Magnetism and electromagnetism.  |
| Assessment:   |  |
| •   | written exam, lasting 1 hour and 15 minutes.   |
| Each exam is worth 70 marks.  |  |

