

**SCOPE AND SEQUENCE STATEMENT: YEAR 10 SCIENCE SOCRATES 2025 (Topic allocation will vary depending on Rotation of classes)**

| <u>TERM 1</u>       | 1   | 2         | 3  | 4  | 5 | 6   | 7 | 8 | 9   | 10                  | 11 |  |  |
|---------------------|---|-----------|--|--|---|---|---|---|---|---------------------|----|--|--|
| OVERALL TOPIC       | Student Research Project  |           | Rotation 1: On the Move  |  |   |   |   |   | Rotation 2: Chemical Reactions  |                     |    |  |  |
| OVERVIEW            | Students plan, design, and conduct a first-hand investigation to test whether ideas are reliable and valid. |           | Understanding motion is key to understanding the world around us. We can describe this motion, measure it, and predict it. |  |   |   |   |   | Students explore the fact that chemistry is happening all around us and we need to understand that chemical reactions can be altered as well as have an impact on industry, the environment and the living world. |                     |    |  |  |
| OUTCOMES            | SC5-1VA, SC5-4WS, SC5-5WS, SC5-6WS, SC5-7WS, SC5-8WS, SC5-9WS   |           | SC5-1VA, SC5-2VA, SC5-3VA, SC5-4WS, SC5-5WS, SC5-6WS, SC5-7WS, SC5-8WS, SC5-9WS, SC5-10PW, SC5-11PW                        |  |   |   |   |   | SC5-1VA, SC5-2VA, SC5-3VA, SC5-6WS, SC5-7WS, SC5-16CW, SC5-17CW   |                     |    |  |  |
| ASSESSMENT          |   |           | See assessment grid  |  |   |   |   |   |   | See assessment grid |    |  |  |
| 11 WEEKS 38.5 HOURS |   |           |  |  |   |   |   |   |   |                     |    |  |  |
| <u>TERM 2</u>       | 1   | 2         | 3  | 4  | 5 | 6   | 7 | 8 | 9   |                     |    |  |  |
| OVERALL TOPIC       | Chemical Reactions (Continued)  |           |  | Rotation 3: Genetics   |   |   |   |   |   |                     |    |  |  |
| OVERVIEW            |   |           |  | Students explore the molecule of life and understand how the coded information passes from generation to generation. |   |   |   |   |   |                     |    |  |  |
| OUTCOMES            |   |           |  | SC5-1VA, SC5-2VA, SC5-3VA, SC5-14LW, SC5-15LW  |   |   |   |   |   |                     |    |  |  |
| ASSESSMENT          | See assessment grid   |           |  |  |   |   |   |   |   |                     |    |  |  |
| 9 WEEKS 31.5 HOURS  |   |           |  |  |   |   |   |   |   |                     |    |  |  |
| <u>TERM 3</u>       | 1   | 2         | 3  | 4  | 5 | 6   | 7 | 8 | 9   | 10                  |    |  |  |
| OVERALL TOPIC       | Rotation 4: Origin of the Universe and Life Goes on   |           |  |  |   | Rotation 5: Waves and Technology  |   |   |   |                     |    |  |  |
| OVERVIEW            | Students explore the theories of the universe and the evolution of species.                                 |           |  |  |   | Students explore the nature of light, its applications, and how different technologies have revolutionised digital communications and medicine. |   |   |   |                     |    |  |  |
| OUTCOMES            | SC5-1VA, SC5-2VA, SC5-3VA, SC5-14LW, SC5-15LW   |           |  |  |   | SC5-1VA, SC5-2VA, SC5-3VA, SC5-14LW, SC5-15LW   |   |   |   |                     |    |  |  |
| ASSESSMENT          | See assessment grid   |           |  |  |   |   |   |   |   |                     |    |  |  |
| 10 WEEKS 35 HOURS   |   |           |  |  |   |   |   |   |   |                     |    |  |  |
| <u>TERM 4</u>       | 1   | 2         | 3  | 4  | 5 | 6   | 7 | 8 |   |                     |    |  |  |
| OVERALL TOPIC       | Revision  | EXAM WEEK | Enrichment   |  |   |   |   |   |   |                     |    |  |  |
| OVERVIEW            |   |           |  |  |   |   |   |   |   |                     |    |  |  |
| OUTCOMES            |   |           |  |  |   |   |   |   |   |                     |    |  |  |
| ASSESSMENT          |   |           | AT4 Yearly Examination-30% (Week 2)  |  |   |   |   |   |   |                     |    |  |  |
| 8 WEEKS 28 HOURS    |   |           |  |  |   |   |   |   |   |                     |    |  |  |

**TOTAL COURSE HOURS: 133 hours**