# Sample Scope and Sequence: Investigating Science Year 11

# *Sample for implementation for Year 11 from 2018*

| **Term 1** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9**  | **Week 10** |
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| **Module 1:****Cause and Effect – Observing** | **Module 2:Cause and Effect – Inferences and generalisations** |
| Role of observations; Observations. | Observations as evidence; Observing, Collecting and Recording Data; Conclusions promote further observation. | Observations and Inferences; Using Secondary-sourced Data; Observing Patterns. |  |
| **Depth Study 1:** Design, conduct and report on an investigation based on a specific observation. 20 hours – integrated with modules 1 and 2. |
| INS11/12-1, INS11/12-2, INS11/12-3, INS11/12-4, INS11/12-5, INS11/12-7, INS11-8 | INS11/12-1, INS11/12-2, INS11/12-3, INS11/12-4, INS11/12-5, INS11/12-7, INS11-9 |

| **Term 2** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6**  | **Week 7**  | **Week 8** | **Week 9** | **Week 10** |
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| **Module 2:** **Cause and Effect – Inferences and generalisations** | **Depth Study 2:** How have scientific understandings changed over time? 10 hours | **Module 3:Scientific Models** |
| Developing Inquiry Questions; Generalisations in Science; Peer Review | Research Task and presentation  | Models to Inform Understanding; Types of Models; Constructing Models |
|  | INS11/12-1, INS11/12-4, INS11/12-5, INS11/12-6, INS11/12-7, INS11-8, INS11-9 | INS11/12-2, INS11/12-3, INS11/12-4, INS11-10 |

| **Term 3** | **Week 1** | **Week 2** | **Week 3**  | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9**  | **Week 10** |
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| **Module 3:****Scientific Models** | **Module 4:Theories and Laws** |
| Models to Inform Understanding; Types of Models; Constructing Models. | Introduction to Scientific Theories and Laws; Development of a Theory; Development of Laws; Application of Laws and Theories in Science. |
| INS11/12-2, INS11/12-3, INS11/12-4, INS11-10 | INS11/12-4, INS11/12-5, INS11/12-6, INS11/12-7, INS11-8, INS11-9, INS11-10, INS11-11 |