# Science 7–10 Syllabus (2023): Stage 4 Australian Curriculum mapping (Years 7–8)

The Australian Curriculum codes are listed under each syllabus focus area and its associated content groups.

| Working scientifically | Observing the universe | Forces | Cells and classification | Solutions and mixtures | Living systems | Periodic table and atomic structure | Change | Data science 1 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Observing**  AC9S7I03  AC9S8I03 | **Nature of science**  AC9S7H01 | **Forces in action**  AC9S7U04  AC9S7I01  AC9S7I02  AC9S7I04  AC9S7I05  AC9S7I06  AC9S7I07  AC9S8I01  AC9S8I02  AC9S8I04  AC9S8I05  AC9S8I06  AC9S8I07 | **Classification of living things**  AC9S7U01  AC9S7I02  AC9S7I08  AC9S8I02  AC9S8I08 | **Properties of matter**  AC9S7U05  AC9S7I02  AC9S8I02 | **Body systems**  AC9S8U02  AC9S7I04  AC9S7I06  AC9S7I07  AC9S8I04  AC9S8I06  AC9S8I07 | **Classification of matter**  AC9S7I05  AC9S7I06  AC9S7I07  AC9S8I05  AC9S8I06  AC9S8I07 | **Energy transfers**  AC9S8U05 | **Data**  AC9S7H03  AC9S8H03  AC9S7I04  AC9S7I06  AC9S7I07  AC9S8I04  AC9S8I06  AC9S8I07 |
| **Questioning and predicting**  AC9S7H01  AC9S7I01  AC9S8I01 | **Practice of science**  AC9S7I03  AC9S7I05  AC9S7I06  AC9S7I07  AC9S8I03  AC9S8I05  AC9S8I06  AC9S8I07 | **Magnets in everyday life**  AC9S7I01  AC9S7I02  AC9S7I04  AC9S8I01  AC9S8I02  AC9S8I04 | **Cells**  AC9S8U01  AC9S8H01  AC9S7I02  AC9S7I03  AC9S7I08  AC9S8I02  AC9S8I03  AC9S8I08 | **Properties of water**  AC9S7U05  AC9S7I02  AC9S7I04  AC9S7I06  AC9S7I07  AC9S8I02  AC9S8I04  AC9S8I06  AC9S8I07 | **Plant systems**  AC9S8U02  AC9S7I03 | **Atomic structure**  AC9S8U06  AC9S7H01  AC9S7I01  AC9S7I03  AC9S8I01 | **Chemical change**  AC9S8U07  AC9S8H01  AC9S7I02  AC9S7I03  AC9S7I08  AC9S8I02  AC9S8I03  AC9S8I08 | **Scientific models**  AC9S7I01  AC9S7I04  AC9S7I06  AC9S7I07  AC9S8I01  AC9S8I04  AC9S8I06  AC9S8I07 |
| **Planning investigations**  AC9S7I03  AC9S8I03 | **Space science**  AC9S7U03  AC9S7H01  AC9S7I01  AC9S7I02  AC9S7I08  AC9S8I01  AC9S8I08 | **Simple machines in everyday life**  AC9S7U04  AC9S7I01  AC9S7I02  AC9S7I05  AC9S7I06  AC9S7I07  AC9S8I01  AC9S8I02  AC9S8I05  AC9S8I06  AC9S8I07 | **Cells and classification in context**  AC9S7U01 | **Solutions**  AC9S7U05  AC9S7U06  AC9S7I01  AC9S7I08 | **Ecosystems**  AC9S7U02  AC9S7I04  AC9S7I06  AC9S7I07  AC9S7I08  AC9S8I04  AC9S8I06  AC9S8I08 | **Periodic table**  AC9S8U06  AC9S7I05  AC9S7I06  AC9S7I07  AC9S8I05  AC9S8I06  AC9S8I07 | **Geological change**  AC9S8U03  AC9S8U04  AC9S7H02  AC9S8H01  AC9S8H02  AC9S7I02  AC9S8I02 | **Applications of models**  AC9S7I01  AC9S8I01 |
| **Conducting investigations**  AC9S7I02  AC9S7I03  AC9S8I02  AC9S8I03 | **Aboriginal and Torres Strait Islander Peoples’ Cultural Knowledges of astronomy**  AC9S7H02  AC9S8H02 | **Forces in context**  AC9S7U04 |  | **Separating mixtures**  AC9S7U06  AC9S7I02  AC9S8I02 | **Living systems in context**  AC9S7I01  AC9S8I01 | **Periodic table and atomic structure in context**  No associated ACARA code | **Change in context**  AC9S8U05 | **Collecting, using and analysing datasets**  AC9S7I01  AC9S7I02  AC9S7I04  AC9S7I05  AC9S7I06  AC9S7I07  AC9S8I01  AC9S8I02  AC9S8I04  AC9S8I05  AC9S8I06  AC9S8I07 |
| **Processing data and information**  AC9S7I04  AC9S8I04 | **Observing the Universe in context**  AC9S7H01 |  |  | **Solutions and mixtures in context**  AC9S7I02  AC9S7I08  AC9S8I02  AC9S8I08 |  |  |  | **Data science 1 in context**  AC9S7H03  AC9S7I01  AC9S8I01 |
| **Analysing data and information**  AC9S7I04  AC9S7I05  AC9S7I06  AC9S7I07  AC9S8I04  AC9S8I05  AC9S8I06  AC9S8I07 |  |  |  |  |  |  |  |  |
| **Problem-solving**  AC9S7I07  AC9S7I08  AC9S8I06  AC9S8I07 |  |  |  |  |  |  |  |  |
| **Communicating**  AC9S7H04  AC9S8H04  AC9S7I08  AC9S8I08 |  |  |  |  |  |  |  |  |

# Science 7–10 Syllabus (2023): Stage 5 Australian Curriculum mapping (Years 9–10)

The Australian Curriculum codes are listed under each syllabus focus area and its associated content groups.

| Working scientifically | Energy | Disease | Materials | Environmental sustainability | Genetics and evolutionary change | Reactions | Waves and motion | Data science 2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Observing**  AC9S9I03  AC9S10I03 | **Law of conservation of energy**  AC9S9U04  AC9S9U05  AC9S10U04  AC9S10U05 | **Homeostasis**  AC9S9U01 | **Resources**  AC9S9H04  AC9S10H04  AC9S9I07  AC9S9I08  AC9S8I07  AC9S8I08 | **Sustainability**  AC9S9H04  AC9S10H04  AC9S9I07 | **DNA structure and function**  AC9S10U01  AC9S10H01 | **Law of conservation of mass**  AC9S9U07  AC9S9I02  AC9S10I02 | **Common properties of waves**  AC9S9U04 | **Investigating questions and claims**  AC9S10U03  AC9S9H01  AC9S9H04  AC9S10H01  AC9S10H04  AC9S9I01  AC9S9I02  AC9S9I05  AC9S9I06  AC9S9I07  AC9S10I01  AC9S10I02  AC9S10I05  AC9S10I06 |
| **Questioning and predicting**  AC9S9I01  AC9S10I01 | **Sources of energy**  AC9S9U05  AC9S10U05 | **Infectious and non-infectious diseases**  AC9S9I07 | **Bonding**  AC9S10U06  AC9S9U07  AC9S9I02  AC9S10I02 | **Climate science**  AC9S9U03  AC9S10U04  AC9S9I05  AC9S9I06  AC9S9I07  AC9S10I05  AC9S10I06 | **Variation and inheritance**  AC9S9U02  AC9S10U01  AC9S9I01  AC9S9I04  AC9S10I01  AC9S10I04 | **Chemical reactions**  AC9S9U07  AC9S10U07  AC9S9I01  AC9S9I02  AC9S10I01  AC9S10I02 | **Sound waves**  AC9S9U04 | **Pseudoscience**  AC9S9I07 |
| **Planning investigations**  AC9S9I02  AC9S10I02 | **Electrical energy**  AC9S9U04  AC9S9U05  AC9S10U04  AC9S10U05  AC9S9I02  AC9S9I03  AC9S10I02  AC9S10I03 | **Disease control and prevention**  AC9S9H03  AC9S10H03  AC9S9I05  AC9S9I06  AC9S9I08  AC9S10I05  AC9S10I06 | **Chemistry of organic compounds**  AC9S9U03  AC9S10U06  AC9S9H03  AC9S10H03 | **Impacts of present-day climate change**  AC9S10U04  AC9S10H02  AC9S9I05  AC9S9I06  AC9S10I05  AC9S10I06 | **Genetic technologies**  AC9S9H02  AC9S9H03  AC9S9H04  AC9S10H02  AC9S10H03  AC9S10H04 | **Rate of chemical reactions**  AC9S9U07  AC9S10U07  AC9S9I01  AC9S9I02  AC9S9I04  AC9S10I01  AC9S10I02  AC9S10I04 | **Light waves**  AC9S9U04  AC9S10U03 | **Large datasets and scientific argumentation**  AC9S10H01  AC9S9I01  AC9S9I02  AC9S9I05  AC9S9I06  AC9S9I07  AC9S9I08  AC9S10I01  AC9S10I02  AC9S10I05  AC9S10I06 |
| **Conducting investigations**  AC9S9I02  AC9S10I02 | **Global future energy needs**  AC9S9H03  AC9S9H04  AC9S10H03  AC9S10H04  AC9S9I01  AC9S9I07 | **Diseases in context**  AC9S9H02  AC9S9H03  AC9S10H02  AC9S10H03 | **Polymers**  AC9S9H03  AC9S10H03  AC9S9I02  AC9S9I07  AC9S10I02 | **Alternative resource use and recycling**  AC9S9H02  AC9S9H03  AC9S9H04  AC9S10H02  AC9S10H03  AC9S10H04  AC9S9I07 | **The theory of evolution and evidence for natural selection**  AC9S10U02 | **Nuclear reactions**  AC9S9U06  AC9S9H02  AC9S9H03  AC9S9H04  AC9S10H02  AC9S10H03  AC9S10H04 | **Motion**  AC9S10U05  AC9S9I02  AC9S9I04  AC9S9I05  AC9S9I06  AC9S10I02  AC9S10I04  AC9S10I05  AC9S10I06 | **Data science 2 in context**  AC9S9I05  AC9S9I06  AC9S9I07  AC9S9I08  AC9S10I05  AC9S10I06 |
| **Processing data and information**  AC9S9I04  AC9S10I04 | **Energy in context**  AC9S9H03  AC9S9H04  AC9S10H03  AC9S10H04  AC9S9I07 |  | **Materials in context**  AC9S9I07 | **Environmental sustainability in context**  AC9S9I07 | **Genetics and evolutionary change in context**  AC9S10U01  AC9S9I02  AC9S9I08  AC9S10I02 | **Reactions in context**  AC9S9H02  AC9S9H03  AC9S9H04  AC9S10H02  AC9S10H03  AC9S10H04 | **Waves and motion in context**  AC9S10U05  AC9S9H02  AC9S9H03  AC9S9H04  AC9S10H02  AC9S10H03  AC9S10H04 |  |
| **Analysing data and information**  AC9S9I04  AC9S9I05  AC9S9I06  AC9S9I07  AC9S10I04  AC9S10I05  AC9S10I06 |  |  |  |  |  |  |  |  |
| **Problem-solving**  AC9S9I07 |  |  |  |  |  |  |  |  |
| **Communicating**  AC9S9I08 |  |  |  |  |  |  |  |  |