# 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**AC9S7I03AC9S8I03 | **Nature of science**AC9S7H01 | **Forces in action**AC9S7U04AC9S7I01AC9S7I02AC9S7I04AC9S7I05AC9S7I06AC9S7I07AC9S8I01AC9S8I02AC9S8I04AC9S8I05AC9S8I06AC9S8I07 | **Classification of living things**AC9S7U01AC9S7I02AC9S7I08AC9S8I02AC9S8I08 | **Properties of matter**AC9S7U05AC9S7I02AC9S8I02 | **Body systems**AC9S8U02AC9S7I04AC9S7I06AC9S7I07AC9S8I04AC9S8I06AC9S8I07 | **Classification of matter**AC9S7I05AC9S7I06AC9S7I07AC9S8I05AC9S8I06AC9S8I07 | **Energy transfers**AC9S8U05 | **Data**AC9S7H03AC9S8H03AC9S7I04AC9S7I06AC9S7I07AC9S8I04AC9S8I06AC9S8I07 |
| **Questioning and predicting**AC9S7H01AC9S7I01AC9S8I01 | **Practice of science**AC9S7I03AC9S7I05AC9S7I06AC9S7I07AC9S8I03AC9S8I05AC9S8I06AC9S8I07 | **Magnets in everyday life**AC9S7I01AC9S7I02AC9S7I04AC9S8I01AC9S8I02AC9S8I04 | **Cells**AC9S8U01AC9S8H01AC9S7I02AC9S7I03AC9S7I08AC9S8I02AC9S8I03AC9S8I08 | **Properties of water**AC9S7U05AC9S7I02AC9S7I04AC9S7I06AC9S7I07AC9S8I02AC9S8I04AC9S8I06AC9S8I07 | **Plant systems**AC9S8U02AC9S7I03 | **Atomic structure**AC9S8U06AC9S7H01AC9S7I01AC9S7I03AC9S8I01 | **Chemical change**AC9S8U07AC9S8H01AC9S7I02AC9S7I03AC9S7I08AC9S8I02AC9S8I03AC9S8I08 | **Scientific models**AC9S7I01AC9S7I04AC9S7I06AC9S7I07AC9S8I01AC9S8I04AC9S8I06AC9S8I07 |
| **Planning investigations**AC9S7I03AC9S8I03 | **Space science**AC9S7U03AC9S7H01AC9S7I01AC9S7I02AC9S7I08AC9S8I01AC9S8I08 | **Simple machines in everyday life**AC9S7U04AC9S7I01AC9S7I02AC9S7I05AC9S7I06AC9S7I07AC9S8I01AC9S8I02AC9S8I05AC9S8I06AC9S8I07 | **Cells and classification in context**AC9S7U01 | **Solutions**AC9S7U05AC9S7U06AC9S7I01AC9S7I08 | **Ecosystems**AC9S7U02AC9S7I04AC9S7I06AC9S7I07AC9S7I08AC9S8I04AC9S8I06AC9S8I08 | **Periodic table**AC9S8U06AC9S7I05AC9S7I06AC9S7I07AC9S8I05AC9S8I06AC9S8I07 | **Geological change**AC9S8U03AC9S8U04AC9S7H02AC9S8H01AC9S8H02AC9S7I02AC9S8I02 | **Applications of models**AC9S7I01AC9S8I01 |
| **Conducting investigations**AC9S7I02AC9S7I03AC9S8I02AC9S8I03 | **Aboriginal and Torres Strait Islander Peoples’ Cultural Knowledges of astronomy**AC9S7H02AC9S8H02 | **Forces in context**AC9S7U04 |  | **Separating mixtures**AC9S7U06AC9S7I02AC9S8I02 | **Living systems in context**AC9S7I01AC9S8I01 | **Periodic table and atomic structure in context**No associated ACARA code | **Change in context**AC9S8U05 | **Collecting, using and analysing datasets**AC9S7I01AC9S7I02AC9S7I04AC9S7I05AC9S7I06AC9S7I07AC9S8I01AC9S8I02AC9S8I04AC9S8I05AC9S8I06AC9S8I07 |
| **Processing data and information**AC9S7I04AC9S8I04 | **Observing the Universe in context**AC9S7H01 |  |  | **Solutions and mixtures in context**AC9S7I02AC9S7I08AC9S8I02AC9S8I08 |  |  |  | **Data science 1 in context**AC9S7H03AC9S7I01AC9S8I01 |
| **Analysing data and information**AC9S7I04AC9S7I05AC9S7I06AC9S7I07AC9S8I04AC9S8I05AC9S8I06AC9S8I07 |  |  |  |  |  |  |  |  |
| **Problem-solving**AC9S7I07AC9S7I08AC9S8I06AC9S8I07 |  |  |  |  |  |  |  |  |
| **Communicating**AC9S7H04AC9S8H04AC9S7I08AC9S8I08 |  |  |  |  |  |  |  |  |

# 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**AC9S9I03AC9S10I03 | **Law of conservation of energy**AC9S9U04AC9S9U05AC9S10U04AC9S10U05 | **Homeostasis**AC9S9U01 | **Resources**AC9S9H04AC9S10H04AC9S9I07AC9S9I08AC9S8I07AC9S8I08 | **Sustainability**AC9S9H04AC9S10H04AC9S9I07 | **DNA structure and function**AC9S10U01AC9S10H01 | **Law of conservation of mass**AC9S9U07AC9S9I02AC9S10I02 | **Common properties of waves**AC9S9U04 | **Investigating questions and claims**AC9S10U03AC9S9H01AC9S9H04AC9S10H01AC9S10H04AC9S9I01AC9S9I02AC9S9I05AC9S9I06AC9S9I07AC9S10I01AC9S10I02AC9S10I05AC9S10I06 |
| **Questioning and predicting**AC9S9I01AC9S10I01 | **Sources of energy**AC9S9U05AC9S10U05 | **Infectious and non-infectious diseases**AC9S9I07 | **Bonding**AC9S10U06AC9S9U07AC9S9I02AC9S10I02 | **Climate science**AC9S9U03AC9S10U04AC9S9I05AC9S9I06AC9S9I07AC9S10I05AC9S10I06 | **Variation and inheritance**AC9S9U02AC9S10U01AC9S9I01AC9S9I04AC9S10I01AC9S10I04 | **Chemical reactions**AC9S9U07AC9S10U07AC9S9I01AC9S9I02AC9S10I01AC9S10I02 | **Sound waves**AC9S9U04 | **Pseudoscience**AC9S9I07 |
| **Planning investigations**AC9S9I02AC9S10I02 | **Electrical energy**AC9S9U04AC9S9U05AC9S10U04AC9S10U05AC9S9I02AC9S9I03AC9S10I02AC9S10I03 | **Disease control and prevention**AC9S9H03AC9S10H03AC9S9I05AC9S9I06AC9S9I08AC9S10I05AC9S10I06 | **Chemistry of organic compounds**AC9S9U03AC9S10U06AC9S9H03AC9S10H03 | **Impacts of present-day climate change**AC9S10U04AC9S10H02AC9S9I05AC9S9I06AC9S10I05AC9S10I06 | **Genetic technologies**AC9S9H02AC9S9H03AC9S9H04AC9S10H02AC9S10H03AC9S10H04 | **Rate of chemical reactions**AC9S9U07AC9S10U07AC9S9I01AC9S9I02AC9S9I04AC9S10I01AC9S10I02AC9S10I04 | **Light waves**AC9S9U04AC9S10U03 | **Large datasets and scientific argumentation**AC9S10H01AC9S9I01AC9S9I02AC9S9I05AC9S9I06AC9S9I07AC9S9I08AC9S10I01AC9S10I02AC9S10I05AC9S10I06 |
| **Conducting investigations**AC9S9I02AC9S10I02 | **Global future energy needs**AC9S9H03AC9S9H04AC9S10H03AC9S10H04AC9S9I01AC9S9I07 | **Diseases in context**AC9S9H02AC9S9H03AC9S10H02AC9S10H03 | **Polymers**AC9S9H03AC9S10H03AC9S9I02AC9S9I07AC9S10I02 | **Alternative resource use and recycling**AC9S9H02AC9S9H03AC9S9H04AC9S10H02AC9S10H03AC9S10H04AC9S9I07 | **The theory of evolution and evidence for natural selection**AC9S10U02 | **Nuclear reactions**AC9S9U06AC9S9H02AC9S9H03AC9S9H04AC9S10H02AC9S10H03AC9S10H04 | **Motion**AC9S10U05AC9S9I02AC9S9I04AC9S9I05AC9S9I06AC9S10I02AC9S10I04AC9S10I05AC9S10I06 | **Data science 2 in context**AC9S9I05AC9S9I06AC9S9I07AC9S9I08AC9S10I05AC9S10I06 |
| **Processing data and information**AC9S9I04AC9S10I04 | **Energy in context**AC9S9H03AC9S9H04AC9S10H03AC9S10H04AC9S9I07 |  | **Materials in context**AC9S9I07 | **Environmental sustainability in context**AC9S9I07 | **Genetics and evolutionary change in context**AC9S10U01AC9S9I02AC9S9I08AC9S10I02 | **Reactions in context**AC9S9H02AC9S9H03AC9S9H04AC9S10H02AC9S10H03AC9S10H04 | **Waves and motion in context**AC9S10U05AC9S9H02AC9S9H03AC9S9H04AC9S10H02AC9S10H03AC9S10H04 |  |
| **Analysing data and information**AC9S9I04AC9S9I05AC9S9I06AC9S9I07AC9S10I04AC9S10I05AC9S10I06 |  |  |  |  |  |  |  |  |
| **Problem-solving**AC9S9I07 |  |  |  |  |  |  |  |  |
| **Communicating**AC9S9I08 |  |  |  |  |  |  |  |  |