# Science and Technology K–6 Syllabus (2024): Early Stage 1 Australian Curriculum mapping (Foundation)

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

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| --- | --- |
| **Observations and questions spark curiosity** | **Observations and questions initiate design and digital solutions** |
| **Living things have characteristics that help them survive in their environment**  AC9SFU01  AC9SFH01  AC9SFI01  AC9SFI02  AC9SFI03  AC9SFI04  AC9SFI05  AC9TDIFK02 | **Understanding user needs inspires design and digital solutions**  AC9TDEFK01  AC9TDEFP01  AC9TDIFK01  AC9TDIFK02 |
| **Objects are made of materials that have observable properties**  AC9SFU03  AC9S2U03  AC9SFH01  AC9SFI01  AC9SFI02  AC9SFI04  AC9SFI05 |  |
| **Living things and objects move in different ways**  AC9SFU02  AC9SFH01  AC9SFI02  AC9SFI03  AC9SFI04  AC9SFI05 |  |
| **Creating written sentences supports understanding of Science and Technology**  AC9SFU01  AC9SFU03  AC9SFI05 |  |

# Science and Technology K–6 Syllabus (2024): Stage 1 Australian Curriculum mapping (Years 1–2)

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

| Investigations of changes provide knowledge and understanding | Design and digital solutions are created through knowledge and understanding |
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| **Living things change over time**  AC9S1U01  AC9S3U01  AC9S1I01  AC9S1I02  AC9S1I03  AC9S1I04  AC9S1I06  AC9S2I01  AC9S2I02  AC9S2I03  AC9S2I04  AC9S2I06  AC9TDI2K02 | **A design process is used to define user needs and create solutions**  AC9TDE2K01  AC9TDE2K02  AC9TDE2K03  AC9TDE2P01  AC9TDE2P02  AC9TDE2P03  AC9TDE2P04  AC9S1I01  AC9S2I01  AC9TDI2P03 |
| **Light and sound interact with materials in different ways**  AC9S2U02  AC9S5U03  AC9S1H01  AC9S1I01  AC9S1I02  AC9S1I03  AC9S1I04  AC9S1I06  AC9S2H01  AC9S2I01  AC9S2I02  AC9S2I03  AC9S2I04  AC9S2I06  AC9TDE2P02  AC9TDI2K02 | **Digital systems use inputs and algorithms to produce an output**  AC9TDI2K01  AC9TDI2K02  AC9TDI2P01  AC9TDI2P02  AC9TDI2P03  AC9TDI2P04  AC9TDI2P05  AC9TDI2P06  AC9TDI2P07 |
| **The human body’s sense organs detect its environment**  AC9S1I01  AC9S1I02  AC9S1I03  AC9S1I04  AC9S1I06  AC9S2I01  AC9S2I02  AC9S2I03  AC9S2I04  AC9S2I06  AC9TDI2K02 |  |
| **Forces can change the way objects move**  AC9S1U03  AC9S4U03  AC9S1H01  AC9S1I01  AC9S1I02  AC9S1I03  AC9S1I04  AC9S1I06  AC9S2H01  AC9S2I01  AC9S2I02  AC9S2I03  AC9S2I04  AC9S2I06  AC9TDE2K02  AC9TDI2K02 |  |
| **Planet Earth is our home**  AC9S1U02  AC9S3U02  AC9S1H01  AC9S1I01  AC9S1I02  AC9S1I03  AC9S1I04  AC9S1I06  AC9S2H01  AC9S2I01  AC9S2I02  AC9S2I03  AC9S2I04  AC9S2I06  AC9TDI2K02 |  |
| **The sky is our window to the Universe**  AC9S2U01  AC9S6U02  AC9S1H01  AC9S1I01  AC9S1I02  AC9S1I03  AC9S1I04  AC9S1I05  AC9S1I06  AC9S2H01  AC9S2I01  AC9S2I02  AC9S2I03  AC9S2I04  AC9S2I05  AC9S2I06  AC9TDI2K02 |  |
| **Creating written texts supports understanding of Science and Technology**  AC9S1I06  AC9S2I06 |  |

# Science and Technology K–6 Syllabus (2024): Stage 2 Australian Curriculum mapping (Years 3–4)

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

| Physical and living systems depend on energy | Design processes and digital systems are used to create solutions |
| --- | --- |
| **Living things depend on energy and materials to survive**  AC9S4U01  AC9S6U01  AC9S3H01  AC9S3H02  AC9S3I01  AC9S3I02  AC9S3I03  AC9S3I04  AC9S3I05  AC9S3I06  AC9S4H01  AC9S4H02  AC9S4I01  AC9S4I02  AC9S4I03  AC9S4I04  AC9S4I05  AC9S4I06 | **Design is a process of creating and innovating**  AC9TDE4K01  AC9TDE4K03  AC9TDE4P01  AC9TDE4P02  AC9TDE4P03  AC9TDE4P04  AC9TDE4P05  AC9TDI4P03  AC9S4U04 |
| **Energy is required to change the properties of matter**  AC9S3U04  AC9S4U02  AC9S5U04  AC9S3H01  AC9S3H02  AC9S3I01  AC9S3I02  AC9S3I03  AC9S3I04  AC9S3I06  AC9S4H01  AC9S4H02  AC9S4I01  AC9S4I02  AC9S4I03  AC9S4I04  AC9S4I06 | **Digital systems can be created and controlled**  AC9TDI4K01  AC9TDI4K02  AC9TDI4K03  AC9TDI4P01  AC9TDI4P02  AC9TDI4P04  AC9TDI4P05  AC9TDI4P06  AC9TDI4P07  AC9TDI4P09 |
| **Body systems work together to enable movement**  AC9S3H01  AC9S3H02  AC9S3I01  AC9S3I02  AC9S3I03  AC9S3I04  AC9S4H01  AC9S4H02  AC9S4I01  AC9S4I02  AC9S4I03  AC9S4I04 |  |
| **Heat energy can be transferred**  AC9S3U03  AC9S3H01  AC9S3H02  AC9S3I01  AC9S3I02  AC9S3I03  AC9S3I04  AC9S3I05  AC9S3I06  AC9S4H01  AC9S4H02  AC9S4I01  AC9S4I02  AC9S4I03  AC9S4I04  AC9S4I05  AC9S4I06 |  |
| **Forces shape Earth’s surface**  AC9S4U02  AC9S4U03  AC9S5U02  AC9S3H01  AC9S3H02  AC9S3I01  AC9S3I02  AC9S3I04  AC9S4H01  AC9S4H02  AC9S4I01  AC9S4I02  AC9S4I04 |  |
| **The Sun is the centre of our solar system and provides our world with energy**  AC9S6U02  AC9S4U03  AC9S3H01  AC9S3H02  AC9S3I01  AC9S3I02  AC9S3I04  AC9S3I06  AC9S4H01  AC9S4H02  AC9S4I01  AC9S4I02  AC9S4I04  AC9S4I06 |  |
| **Creating written explanations of physical and living systems supports understanding in Science and Technology**  AC9S3I06  AC9S4I06 |  |

# Science and Technology K–6 Syllabus (2024): Stage 3 Australian Curriculum mapping (Years 5–6)

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

| Knowledge of our world and beyond inspires sustainable solutions | Design and digital technologies engineer sustainable solutions | Creating written texts in Science and Technology |
| --- | --- | --- |
| **Living things may change over millions of years, in response to their environments**  AC9S5U01  AC9S6U01  AC9S5H01  AC9S5H02  AC9S5I01  AC9S5I02  AC9S5I03  AC9S5I04  AC9S5I06  AC9S6H01  AC9S6H02  AC9S6I01  AC9S6I02  AC9S6I03  AC9S6I04  AC9S6I06  AC9TDE6K03 | **Design processes explore opportunities and develop solutions**  AC9TDE6K01  AC9TDE6K03  AC9TDE6P01  AC9TDE6P02  AC9TDE6P03  AC9TDE6P04  AC9TDE6P05 | **Creating written explanations of concepts and processes supports understanding of Science and Technology**  AC9S5I06  AC9S6I06 |
| **A fixed amount of useable matter makes up all the material on Earth**  AC9S6U04  AC9S5H01  AC9S5H02  AC9S5I01  AC9S5I02  AC9S5I04  AC9S5I06  AC9S6H01  AC9S6H02  AC9S6I01  AC9S6I02  AC9S6I04  AC9S6I06  AC9TDE6K03  AC9TDE6K05  AC9TDE6P01  AC9TDE6P02  AC9TDE6P04  AC9TDE6P05  AC9TDI6P01 | **The future can be shaped by building and connecting digital systems**  AC9TDI6K01  AC9TDI6K02  AC9TDI6K03  AC9TDI6K04  AC9TDI6P01  AC9TDI6P02  AC9TDI6P03  AC9TDI6P04  AC9TDI6P05  AC9TDI6P06  AC9TDI6P08 |  |
| **Body systems coordinate for survival**  AC9S5U01  AC9S5I01  AC9S5I02  AC9S5I03  AC9S5I04  AC9S5I06  AC9S6I01  AC9S6I02  AC9S6I03  AC9S6I04  AC9S6I06 |  |  |
| **Electrical energy can be transferred and transformed**  AC9S6U03  AC9S5H02  AC9S5I01  AC9S5I02  AC9S5I03  AC9S5I04  AC9S5I06  AC9S6H02  AC9S6I01  AC9S6I02  AC9S6I03  AC9S6I04  AC9S6I06  AC9TDE6K02 |  |  |
| **Earth’s climate is affected by natural and human activities**  AC9S5H01  AC9S5H02  AC9S5I04  AC9S5I05  AC9S5I06  AC9S6H01  AC9S6H02  AC9S6I04  AC9S6I05  AC9S6I06  AC9TDI6P07 |  |  |
| **Our solar system is a part of one of billions of galaxies in the Universe**  AC9S5H01  AC9S5H02  AC9S5I04  AC9S5I05  AC9S5I06  AC9S6H01  AC9S6H02  AC9S6I04  AC9S6I05  AC9S6I06  AC9TDI6P07 |  |  |