# Science and Technology K–6 Syllabus (2024): Early Stage 1Australian 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 AC9SFH01AC9SFI01AC9SFI02AC9SFI03AC9SFI04AC9SFI05AC9TDIFK02 | **Understanding user needs inspires design and digital solutions**AC9TDEFK01AC9TDEFP01AC9TDIFK01AC9TDIFK02 |
| **Objects are made of materials that have observable properties**AC9SFU03AC9S2U03AC9SFH01AC9SFI01AC9SFI02 AC9SFI04AC9SFI05 |  |
| **Living things and objects move in different ways**AC9SFU02AC9SFH01AC9SFI02AC9SFI03AC9SFI04AC9SFI05 |  |
| **Creating written sentences supports understanding of Science and Technology**AC9SFU01AC9SFU03AC9SFI05 |  |

# Science and Technology K–6 Syllabus (2024): Stage 1Australian 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**AC9S1U01AC9S3U01AC9S1I01AC9S1I02AC9S1I03AC9S1I04AC9S1I06AC9S2I01AC9S2I02AC9S2I03AC9S2I04AC9S2I06AC9TDI2K02 | **A design process is used to define user needs and create solutions**AC9TDE2K01AC9TDE2K02AC9TDE2K03AC9TDE2P01AC9TDE2P02AC9TDE2P03AC9TDE2P04AC9S1I01AC9S2I01AC9TDI2P03 |
| **Light and sound interact with materials in different ways**AC9S2U02AC9S5U03AC9S1H01AC9S1I01AC9S1I02AC9S1I03AC9S1I04AC9S1I06AC9S2H01AC9S2I01AC9S2I02AC9S2I03AC9S2I04AC9S2I06AC9TDE2P02AC9TDI2K02  | **Digital systems use inputs and algorithms to produce an output**AC9TDI2K01AC9TDI2K02AC9TDI2P01AC9TDI2P02AC9TDI2P03AC9TDI2P04AC9TDI2P05AC9TDI2P06AC9TDI2P07  |
| **The human body’s sense organs detect its environment**AC9S1I01AC9S1I02AC9S1I03AC9S1I04AC9S1I06AC9S2I01AC9S2I02AC9S2I03AC9S2I04AC9S2I06AC9TDI2K02  |  |
| **Forces can change the way objects move**AC9S1U03AC9S4U03AC9S1H01AC9S1I01AC9S1I02AC9S1I03AC9S1I04AC9S1I06AC9S2H01AC9S2I01AC9S2I02AC9S2I03AC9S2I04AC9S2I06AC9TDE2K02AC9TDI2K02  |  |
| **Planet Earth is our home**AC9S1U02AC9S3U02AC9S1H01AC9S1I01AC9S1I02AC9S1I03AC9S1I04AC9S1I06AC9S2H01AC9S2I01AC9S2I02AC9S2I03AC9S2I04AC9S2I06AC9TDI2K02  |  |
| **The sky is our window to the Universe**AC9S2U01AC9S6U02 AC9S1H01AC9S1I01AC9S1I02AC9S1I03AC9S1I04AC9S1I05AC9S1I06AC9S2H01AC9S2I01AC9S2I02AC9S2I03AC9S2I04AC9S2I05AC9S2I06AC9TDI2K02 |  |
| **Creating written texts supports understanding of Science and Technology**AC9S1I06AC9S2I06 |  |

# Science and Technology K–6 Syllabus (2024): Stage 2Australian 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 AC9S6U01AC9S3H01AC9S3H02AC9S3I01AC9S3I02AC9S3I03AC9S3I04AC9S3I05AC9S3I06AC9S4H01AC9S4H02AC9S4I01AC9S4I02AC9S4I03AC9S4I04AC9S4I05AC9S4I06 | **Design is a process of creating and innovating**AC9TDE4K01AC9TDE4K03AC9TDE4P01AC9TDE4P02AC9TDE4P03AC9TDE4P04AC9TDE4P05AC9TDI4P03AC9S4U04 |
| **Energy is required to change the properties of matter**AC9S3U04AC9S4U02AC9S5U04AC9S3H01AC9S3H02AC9S3I01AC9S3I02AC9S3I03AC9S3I04AC9S3I06AC9S4H01AC9S4H02AC9S4I01AC9S4I02AC9S4I03AC9S4I04AC9S4I06 | **Digital systems can be created and controlled**AC9TDI4K01AC9TDI4K02AC9TDI4K03AC9TDI4P01AC9TDI4P02AC9TDI4P04AC9TDI4P05AC9TDI4P06AC9TDI4P07AC9TDI4P09 |
| **Body systems work together to enable movement**AC9S3H01AC9S3H02AC9S3I01AC9S3I02AC9S3I03AC9S3I04AC9S4H01AC9S4H02AC9S4I01AC9S4I02AC9S4I03AC9S4I04 |  |
| **Heat energy can be transferred**AC9S3U03AC9S3H01AC9S3H02AC9S3I01AC9S3I02AC9S3I03AC9S3I04AC9S3I05AC9S3I06AC9S4H01AC9S4H02AC9S4I01AC9S4I02AC9S4I03AC9S4I04AC9S4I05AC9S4I06 |  |
| **Forces shape Earth’s surface**AC9S4U02AC9S4U03 AC9S5U02AC9S3H01AC9S3H02AC9S3I01AC9S3I02AC9S3I04AC9S4H01AC9S4H02AC9S4I01AC9S4I02AC9S4I04 |  |
| **The Sun is the centre of our solar system and provides our world with energy**AC9S6U02 AC9S4U03 AC9S3H01AC9S3H02AC9S3I01AC9S3I02AC9S3I04AC9S3I06AC9S4H01AC9S4H02AC9S4I01AC9S4I02AC9S4I04AC9S4I06 |  |
| **Creating written explanations of physical and living systems supports understanding in Science and Technology**AC9S3I06AC9S4I06 |  |

# Science and Technology K–6 Syllabus (2024): Stage 3Australian 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 |
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| **Living things may change over millions of years, in response to their environments**AC9S5U01AC9S6U01AC9S5H01AC9S5H02AC9S5I01AC9S5I02AC9S5I03AC9S5I04AC9S5I06AC9S6H01AC9S6H02AC9S6I01AC9S6I02AC9S6I03AC9S6I04AC9S6I06AC9TDE6K03 | **Design processes explore opportunities and develop solutions**AC9TDE6K01AC9TDE6K03AC9TDE6P01AC9TDE6P02AC9TDE6P03AC9TDE6P04AC9TDE6P05 | **Creating written explanations of concepts and processes supports understanding of Science and Technology**AC9S5I06AC9S6I06 |
| **A fixed amount of useable matter makes up all the material on Earth**AC9S6U04AC9S5H01AC9S5H02AC9S5I01AC9S5I02AC9S5I04AC9S5I06AC9S6H01AC9S6H02AC9S6I01AC9S6I02AC9S6I04AC9S6I06AC9TDE6K03AC9TDE6K05AC9TDE6P01AC9TDE6P02AC9TDE6P04AC9TDE6P05AC9TDI6P01 | **The future can be shaped by building and connecting digital systems**AC9TDI6K01AC9TDI6K02AC9TDI6K03AC9TDI6K04AC9TDI6P01AC9TDI6P02AC9TDI6P03AC9TDI6P04AC9TDI6P05AC9TDI6P06AC9TDI6P08 |  |
| **Body systems coordinate for survival**AC9S5U01AC9S5I01AC9S5I02AC9S5I03AC9S5I04AC9S5I06AC9S6I01AC9S6I02AC9S6I03AC9S6I04AC9S6I06 |  |  |
| **Electrical energy can be transferred and transformed**AC9S6U03AC9S5H02AC9S5I01AC9S5I02AC9S5I03AC9S5I04AC9S5I06AC9S6H02AC9S6I01AC9S6I02AC9S6I03AC9S6I04AC9S6I06AC9TDE6K02 |  |  |
| **Earth’s climate is affected by natural and human activities**AC9S5H01AC9S5H02AC9S5I04AC9S5I05AC9S5I06AC9S6H01AC9S6H02AC9S6I04AC9S6I05AC9S6I06AC9TDI6P07 |  |  |
| **Our solar system is a part of one of billions of galaxies in the Universe**AC9S5H01AC9S5H02AC9S5I04AC9S5I05AC9S5I06AC9S6H01AC9S6H02AC9S6I04AC9S6I05AC9S6I06AC9TDI6P07 |  |  |