Artificial Intelligence in Action

Australian Curriculum Links

Artificial Intelligence (AI) - Curriculum Connection
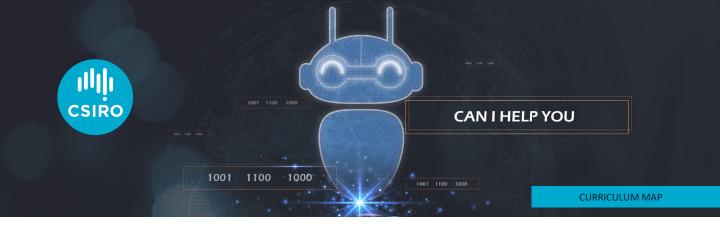
Understanding AI Resource

Key Aspect – Understanding how AI works

- students develop the foundational learning necessary to understand how AI systems work, how to interact with them, and what they can and can't do.

Responsible AI Resource

Key Aspect – Responsible use and application of AI

- students learn to consider the possible bias or harm to others that may occur when inputting data into AI systems and the ways in which AI might be used to manipulate or deceive others.

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Understanding AI and Responsible AI Australian Curriculum Links

Digital Literacy – General Capability

Year 5 and 6 - Level 4

Manage online safety

- report negative or harmful online behaviour to trusted adults, know how to report it in online tools

Manage digital wellbeing

- follow an agreed code of conduct for the healthy and productive use of digital tools, considering the impact of tool use on wellbeing
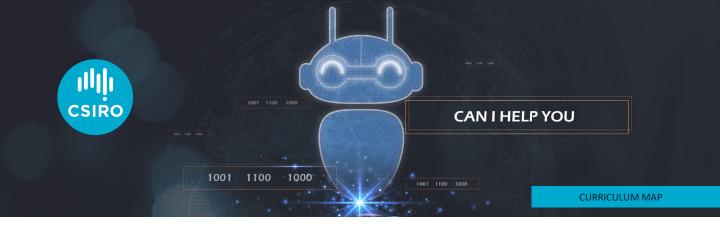
Year 7 and 8 – Level 5

Manage online safety

- identify online abuse and bullying and report them to trusted adults, appropriate authorities and in online tools

Manage digital wellbeing

- develop routines to support their balanced and constructive use of digital tools

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Ethical Understanding – General Capability

Year 5 and 6 - Level 4

Explore ethical concepts

- identify and describe ethical concepts, such as truth and justice, and explain how perspectives may vary according to the situation or context

Examine values, rights and responsibilities and ethical norms

- describe how the relationships between values, rights and responsibilities, and ethical norms influence responses and decisions related to ethical issues

Year 7 and 8 – Level 5

Explore ethical concepts

- analyse the similarities and differences between ethical concepts, such as integrity, loyalty and equality, in a range of situations and contexts

Examine values, rights and responsibilities and ethical norms

- describe the relationship between the role of individual and community values, rights and responsibilities, and ethical norms when responding to ethical issues

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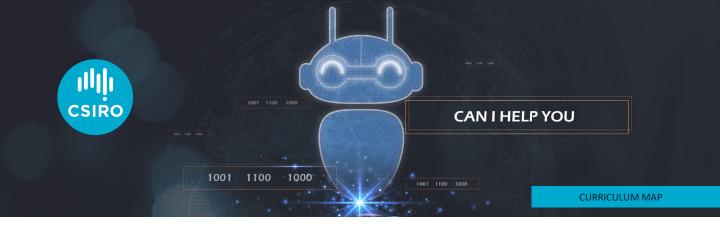## Digital Technologies

Year 5 and 6

Explain the creation and permanence of their digital footprint and consider privacy when collecting user data (AC9TDI6P10)

Understanding the implications of how personal data can be used to train generative AI models; for example, sharing personal information increases the likelihood that private information is revealed through AI outputs now and in the future (AC9TDI6P10 – Elaboration)

Year 7 and 8

Acquire, store and validate data from a range of sources using software, including spreadsheets and databases (AC9TDI8P01)

Ensuring that the data used to train an AI model minimises any potential biases in its output and is representative of the target audience; for example, training a model on data collected from a single demographic group may not produce correct outputs for a more diverse population (AC9TDI8P01 – Elaboration)

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Science as a human endeavour

Year 5 and 6

Nature and development of science

Examine why advances in science are often the result of collaboration or build on the work of others (AC9S5H01 / AC9S6H01)

Use and influence of science

Investigate how scientific knowledge is used by individuals and communities to identify problems, consider responses and make decisions (AC9S5H02 / AC9S6H02)

Year 7 and 8

Nature and development of science

Investigate how cultural perspectives and world views influence the development of scientific knowledge (AC9S7H02 / AC9S8H02)

Use and influence of science

Examine how proposed scientific responses to contemporary issues may impact on society and explore ethical, environmental, social and economic considerations (AC9S7H03 / AC9S8H03)