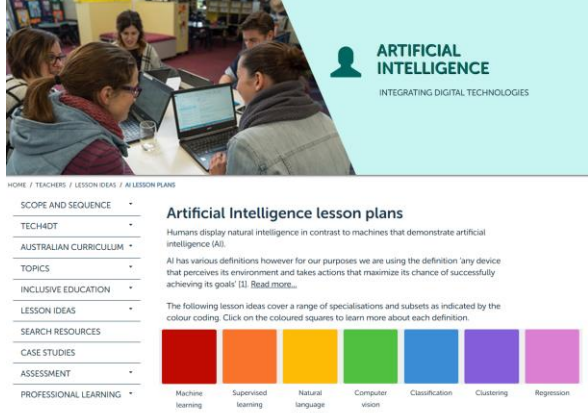





Artificial Intelligence resources


These resources were mentioned in the webinar: Engaging in AI through project work

Resource	URL
	<p>Lesson plans on Digital Technologies Hub on AI https://www.digitaltechnologieshub.edu.au/teachers/lesson-ideas/ai-lesson-plans</p>
	<p>Artificial Intelligence Explainers: Video 1: Introduction to AI & machine learning</p>
	<p>Artificial Intelligence Explainers: Video 2: AI in our everyday life</p>
<p>Teaching AI in the Classroom</p> <p>We have two courses available for Teaching Artificial Intelligence (AI) in the classroom - one for primary teachers and one for secondary teachers. These free online courses are presented as two related parts. Firstly, we provide teachers with the necessary background information to teach and contextualise AI in the classroom. The second half of the course presents the practical implementation of classroom activities suitable for teaching AI and the concepts of AI primary or secondary years.</p> <p>GO TO COURSE: TEACHING AI IN THE PRIMARY CLASSROOM</p> <p>GO TO COURSE: TEACHING AI IN THE SECONDARY CLASSROOM</p>	<p>CSER MOOC Teaching AI in the Primary Classroom https://csermoocs.adelaide.edu.au/available-moocs#teaching-ai-in-the-classroom</p>
	<p>https://prezi.com/view/GmFxO9w6KS8vhEAcSC6/</p>

Learn about Artificial Intelligence (AI)

AI and Machine Learning impact our entire world, changing how we live and how we work. That's why it's critical for all of us to understand this increasingly important technology, including not just how it's designed and applied, but also its societal and ethical implications.


Join us to explore AI in a new video series, train AI for Oceans in 25+ languages, discuss ethics, and more!



AI for Oceans

Help A.I. clean the oceans by training it to detect trash! Learn about training data and bias, and how AI can address world problems. View [lesson plan](#).


[Try activity](#)



How AI Works

Learn about how AI works and why it matters with this series of short videos. Featuring Microsoft CEO Satya Nadella and a diverse cast of experts.

[Watch the videos](#)



AI and Ethics

Students reflect on the ethical implications of AI, then work together to create an "AI Code of Ethics" resource for AI creators and legislators everywhere.

[View lesson plan](#)

<https://code.org/ai>



Translate spoken words into another language

DIGITAL TECHNOLOGIES HUB www.dthub.edu.au



Play a quiz app on a smartphone

DIGITAL TECHNOLOGIES HUB www.dthub.edu.au



Use an online dictionary

DIGITAL TECHNOLOGIES HUB www.dthub.edu.au



Use the predictive text when creating a text message

DIGITAL TECHNOLOGIES HUB www.dthub.edu.au



Play a video game not connected to internet

DIGITAL TECHNOLOGIES HUB www.dthub.edu.au



Watch free to air television

DIGITAL TECHNOLOGIES HUB www.dthub.edu.au

Printable AI cards

https://www.digitaltechnologieshub.edu.au/docs/default-source/ai-lessons/recognising-ai/dthub_cards_does-it-have-ai.pdf

From lesson
Recognising AI

<https://www.digitaltechnologieshub.edu.au/teach/lesson-ideas/ai-lesson-plans/recognising-ai>



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The Turing Test

Contents [1/10]

- 1 Conversations with Computers
- 2 Activity description (PDF)
- 3 Translations and other versions
- 4 Related Resources
- 5 Curriculum Links

<https://classic.csunplugged.org/the-turing-test/>

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da

10. Artificial Intelligence



Introduction

Artificial intelligence conjures up all sorts of images - perhaps you think of friendly systems that can talk to you and solve tough problems; or maniac robots that are bent on world domination? There's the promise of driverless cars that are safer than human drivers, and the worry of medical advice systems that hold people's lives in their virtual hands. The field of artificial intelligence, or AI, is a part of computer science that has a lot of promise and also raises a lot of concerns. It can be used to make decisions in systems as large as an aeroplane or an autonomous dump truck, or as small as a mobile phone that accurately predicts text being typed into it. What they have in common is that they try to mimic aspects of human intelligence. And importantly, such systems can be of significant help in people's everyday lives.

Next:
What's the big picture?

Chapter sections

- 10.1. What's the big picture?
- 10.2. Chatterbots and the Turing test
- 10.3. The whole story!
- 10.4. Further reading

<https://csfieldguide.org.nz/en/chapters/artificial-intelligence/>


The Newspaper

DO ROBOTS HAVE FEELINGS?



What is machine learning?

https://www.youtube.com/watch?v=ob_p9qARiJo



What is artificial intelligence?

Artificial intelligence (AI) is the ability of machines to mimic human capabilities in a way that we would consider 'smart'.

You most likely have come across - or are aware of - AI applications such as self-driving cars, facial recognition, chess or go players, security systems, or speech/voice recognition (for example, those used in an intelligent virtual assistant).

How is AI different from 'normal' computing?

In conventional computing, a programmer writes a computer program that precisely instructs a computer what to do to solve a particular problem. With AI, however, the programmer instead writes a program that allows the computer to learn to solve a problem by itself.

That sounds like overdoing it, but this is really the way we do things: At school, students learn the rules that allow them to solve a vast number of different problems. Instead of teaching 1,000 solutions to 1,000 problems, teachers teach students the practices and techniques how to solve a variety of problem instead. The idea behind AI is that we teach a computer to learn to solve problems. And because machines are good at crunching large amounts of data without ever getting tired, computers can solve some tough problems that our brains would struggle with.

DT Hubs Topics has all you need!

<https://www.digitaltechnologieshub.edu.au/teachers/topics/artificial-intelligence>