
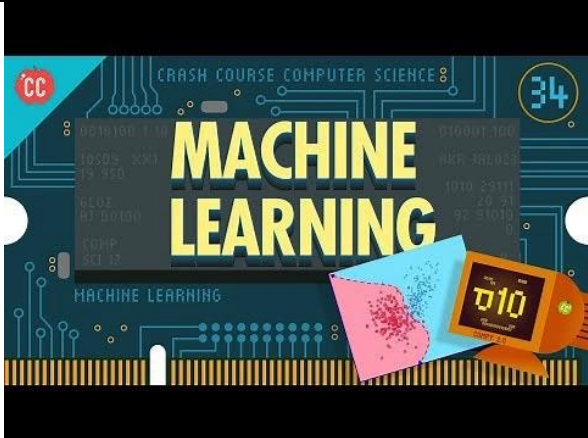


# Artificial intelligence resources

| Resources  |  |
|--|--|
| <p><a href="#"><u>AI Topics page</u></a></p> <p>A great starting point to find out about AI and resources to learn more.</p>   |  <p><b>What is Artificial Intelligence?</b></p> <p>Artificial Intelligence is the ability of machines to mimic human capabilities in a way that we would consider 'smart'.</p> <p>You most likely have come across – or are aware of – AI applications such as self-driving cars, face-recognition, Chess/Go players, security systems, or speech/voice recognition (eg those used in an intelligent virtual assistant).</p> <p><b>How is AI different from 'normal' computing?</b></p> <p>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.</p> |
| <p><a href="#"><u>Machine Learning &amp; Artificial Intelligence: Crash Course Computer Science #34</u></a></p> <p>A must watch video to understand machine learning.</p>  |   |
| <p><a href="#"><u>AI Experiments</u></a></p> <p>AI Experiments is a showcase for simple experiments that make it easier for anyone to start exploring machine learning, through pictures, drawings, language, music, and more.</p> |    |

### What is machine learning?

A brief video that concisely defines AI, then defines machine learning through a simple example.



### What would my preferred future look like?

Malyn Mawby, Head of Personalised Learning at Roseville College, explains how she implemented project-based learning (PBL) with her year 10 class to explore Artificial Intelligence (AI).



### MyComputerbrain

A series of interactive experiments that visualise and explain processes of machine learning with artificial neural Networks. Foundations of neural networks, image recognition, face recognition, AI Librarian, AI



Home Automation, Anti-bullying.

Observe the AI as it learns.

## AI for Social Good

[SMH article](#): When rising waters threatened the flood-prone region of Patna in northern India last September, residents received early warnings generated in part from artificial intelligence (AI) on their phones.



## AI and Emerging technologies in schools

Commissioned by the Australian Government Department of Education and Training to examine the literature, and provide advice to teachers, on artificial intelligence (AI) and the emerging technologies (virtual, augmented and mixed reality) in school education.

**Research Report**  
**Artificial Intelligence and Emerging Technologies in Schools**

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## CSER AI Professional Learning Course

### Introduction to AI:

- overview, core concepts, techniques, examples
- history and evolution
- benefits and risks
- ethical considerations

### Classroom AI activities:

- Unplugged and plugged worked examples and case studies exploring activity design and implementation
- Practical classroom advice, student-friendly language and resources
- Assessment support and advice

