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Stephen is Director of Innovation in Learning & Teaching at the [Western Academy of Beijing](#) and current EdD Research Student at the University of Bath.

## Foundations & AI Literacy

Useful starter courses for educators to learn about and with AI.

**AI Pedagogy Project. MetaLAB at HGSE.** <https://aipedagogy.org/guide/tutorial/>  
Explore LLM's from an education perspective.

**Elements of AI.** [University of Helsinki](#) <https://www.elementsofai.com/>  
Non-technical demystification of AI logic. Includes Introductions to AI and Building AI.

**AI 101 for Teachers** [Code.org](#) / [Khan Academy](#)  
Practical classroom concepts & responsible use.

**AI for Educators.** Microsoft Learn. <https://learn.microsoft.com/en-us/training/paths/ai-education/>  
ISTE and UNESCO-connected course for educators. Basic overviews and skills.

**Generative AI for Educators with Gemini.** Grow with Google. <https://grow.google/ai-for-educators/>  
Learn how to use generative AI tools to help you save time on everyday tasks, personalize instruction, enhance lessons and activities in creative ways, and more.

**AI Basics for K-12 Teachers.** Common Sense Media.  
<https://www.commonsense.org/education/training/ai-basics-for-k-12-teachers>  
Understand the basics of generative AI and its impact on education.

**ChatGPT Foundations for K-12 Educators.** Common Sense Media.  
<https://www.commonsense.org/education/training/chatgpt-k12-foundations>  
Practical strategies for using their popular AI tool ChatGPT in schools.

**Advanced ChatGPT for K-12.** Common Sense Media.  
<https://www.commonsense.org/education/training/advanced-chatgpt-for-k-12>  
Builds upon the ChatGPT Foundations course with additional focus on developing the insights, mindsets, and practices that enable effective AI use in education.

## Machine Learning & How AI Works

Courses that teach you how AI works. Many can be used with students.

**Hugging Face Learn Hub.** HuggingFace. <https://huggingface.co/learn>  
Includes courses on LLM, Robotics, Agents and more.

**Machine Learning Crash Course.** Google Developers.  
<https://developers.google.com/machine-learning/crash-course>  
Fast-paced, practical introduction to machine learning, featuring a series of animated videos, interactive visualizations, and hands-on practice exercises.

**CS50's Intro to AI with Python.** Harvard. <https://cs50.harvard.edu/ai/>  
Implementing algorithms, search, and ML.



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**AI with MIT (suitable for students).** MIT. <https://appinventor.mit.edu/explore/ai-with-mit-app-inventor>  
Use MIT App inventor on a range of AI projects.

**Machine Learning with Amazon.** AWS. <https://aws.amazon.com/ai/learn/>  
Practical modules to learn about how AI works.

**Teachable Machine.** Google. <https://teachablemachine.withgoogle.com/>  
Train a computer to recognize your own images, sounds, & poses.

**AI Playground.** Nvidia. <https://www.nvidia.com/en-us/research/ai-playground/>  
Interesting projects at the intersection of Art, AI and Science.

## **Ethical Perspectives on AI.**

*Navigating the moral and environmental landscape of AI.*

**Ethics of AI.** University of Helsinki. <https://ethics-of-ai.mooc.fi/>  
Structured reasoning on fairness and human rights.

**Critical AI Perspectives.** University of British Columbia.. <https://opl.educ.ubc.ca/ai-mooc/>  
Evaluating equity, power, and systemic implications.

**Ethics & Global Catastrophic Risks.** Lingnan University. <https://www.ln.edu.hk/philoso/hkcrc/risk>  
Includes modules on AI and environmental risks.

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**Cite this document:** Taylor, S. 2025. Free AI Courses for Educators. Wayfinder Learning Lab [Online]. Available from: <https://sjtlyr.net/2026/02/05/free-ai-courses-for-educators/>.