



MOOCS AND ON-LINE RESOURCES

The subject of artificial intelligence is so fascinating that many Massive Open Online Courses are dedicated to it.

Mooc's information

- Submitted : December 16th 2022
- For each Moocs and ressources, the following infos are gathered :
 - By: author
 - Info about the Mooc: a few words about contents
 - Language: all languages available
 - Registration: free or with conditions
 - Certification: possibility to have a attestation / verification regarding the training
 - Accessibility: is the resource still available) dec. 2022
 - Access to the Mooc: link to the resources

In this page, there is first a **selection of Moocs** organised in two parts :

- **1 - AI in general**
- **2 - AI in Education**

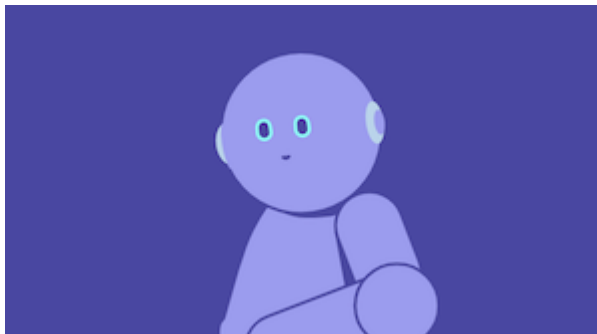
Then a selection of **on-line resources about AI and Education** are presented.

Warning

This is a partial selection, linked to the context and interest of the AI4T project and the premisses of the project. This list should therefore evolve and be enriched. Most of the resources are available in English, some are also available in other European languages. We have also mentioned two resources that are not available in English as they play a key role in the AI4T project.

1 - MOOCS ABOUT AI IN GENERAL

ELEMENTS OF AI



Info

- **By:** MinnaLearn and the University of Helsinki
- **Info about the Mooc:** « *The Elements of AI is a series of free online courses created by MinnaLearn and the University of Helsinki. We want to encourage as broad a group of people as possible to learn what AI is, what can (and can't) be done with AI, and how to start creating AI methods. The courses combine theory with practical exercises* »
- **Language:** DE, FR, IT, IE, SI, GB (and many other european languages)
- **Registration:** Free
- **Certification:** Yes
- **Accessibility:** unlimited
- **Access to the Mooc:**
 - Part 1 - Introduction to AI (accessible from course.elementsofai.com¹)
 - Part 2 - Building AI (accessible from buildingai.elementsofai.com²)

Element of AI, a success story:

launched in 2018, «*with the aim of helping people to be empowered, not threatened, by artificial intelligence*», The Mooc has been a huge success and is now an established benchmark for AI training with 750,000 registered students from 170 countries.

L'INTELLIGENCE ARTIFICIELLE... AVEC INTELLIGENCE ! (ARTIFICIAL INTELLIGENCE ...WITH INTELLIGENCE!)



Info

- **By:** Inria and Class'Code
- **Info about the Mooc:** Class'Code IAI is a citizen MOOC accessible to everyone from 7 to 107 years old to question, experiment and understand what Artificial Intelligence is... with intelligence! - (*Class'Code IAI est un MOOC citoyen accessible à toutes et à tous de 7 à 107 ans pour se questionner, expérimenter et comprendre ce qu'est l'Intelligence Artificielle... avec intelligence !*)
- **Language:** FR
- **Registration:** Free
- **Certification:** Yes
- **Accessibility:** unlimited
- **Access to the Mooc:** FUN-Mooc platform ³
- 🚀 Resource of the Mooc are used in the AI4T project Mooc

AI FOR EVERYONE

Info

- **By:** Andrew Ng (DeepLearning AI - Stanford University)
- **Info about the Mooc:** « *AI is not only for engineers. If you want your organisation to become better at using AI, this is the course to tell everyone--especially your non-technical colleagues--to take.* »
- **DeepLearning.AI** offers many AI related Moocs on Coursera, from general to very technical - registration, certificates and availability are to be checked on the coursera platform
- **Language:** EN
- **Registration:** Free
- **Certification:** Yes
- **Accessibility:** Third Quarter 2022
- **Access to the Mooc:** Coursera platform ⁴

ARTIFICIAL INTELLIGENCE

Info

- **By:** Accenture
- **Info about the Mooc:** « *learn about the past, present, and future of artificial intelligence and explore its potential in the workplace.* »
- **Language:** EN
- **Registration:** Free
- **Certification:** Yes
- **Accessibility:** unlimited
- **Access to the Mooc:** Future Learn platform ⁵



OBJECTIF IA: INITIEZ-VOUS À L'INTELLIGENCE ARTIFICIELLE (AI GOAL: LEARN ABOUT ARTIFICIAL INTELLIGENCE)

Info

- **By:** Institut Montaigne (a french Think Tank) and The Fondation Abenboa
- **Info about the Mooc:** "We present artificial intelligence from A to Z, to give you the keys to understanding and thinking about it"
- **Language:** EN, FR
- **Registration:** Free
- **Certification:** Yes
- **Accessibility:** Unlimited
- **Access to the Mooc:** Openclassroom platform - French⁷, English⁷

THE TOOL : MY MOOC: A TOOL KEEP IN TOUCH WITH ALL AVAILABLE MOOCS⁸

Tips

- « A powerful and innovative solution With more than 10,000 MOOCs available, My Mooc delivers the best free trainings available on the web. Our mission? To make training accessible to as many people as possible! With an account on My Mooc, you can continually follow the latest MOOC news and be ensured that you do not miss any topics or content from your favorite universities across the globe. »
- And for example you can follow up with all Moocs delivered about AI at the following adresse: <https://www.my-mooc.com/en/categorie/artificial-intelligence>
- **Language:** EN, FR

2 - MOOCS ABOUT AI AND EDUCATION

ARTIFICIAL INTELLIGENCE (AI) EDUCATION FOR TEACHERS

Info

- **By:** Macquarie University (AUS) and **IBM (based on AI Curriculum Framework)**
- **Info about the Mooc:** « This course is based on the IBM AI Curriculum Framework⁹ and provides theory plus applied examples of the components that make up AI. As teachers, you can work your way through the entire course, or you can focus on key areas as you need. There are knowledge, skills and attitudes related to AI that are transferable to multiple disciplines and learning areas from early childhood, primary, secondary, and post-secondary. »
- **Language:** EN
- **Registration:** Free
- **Certification:** No
- **Accessibility:** Third quarter of 2022
- **Access to the Mooc:** Coursera platform¹⁰



AI BASICS FOR SCHOOL

Info

- **By:** European School Network - part of EU Code Week 2021
- **Info about the Mooc:** « A Mooc that guides teachers to explore the potential and limitations of AI, and discover how AI may enable them to implement new ways of teaching and learning in the classroom. 'AI Basics for Schools' provides teachers with an opportunity to gain basic understanding about AI and how to integrate AI resources into their teaching with the aim to enhance student learning experience. »
- **Language:** EN
- **Registration:** Free
- **Certification:** No
- **Accessibility:** Not accessible in 2022
- **Access to the Mooc:** European School Network platform¹¹

A INTELIGENCIA ARTIFICIAL VAI TRANSFORMAR A ESCOLA (ARTIFICIAL INTELLIGENCE WILL TRANSFORM SCHOOLS)

Info

- **By:** Equipa de Recursos e Tecnologias Educativas (ERTE) - Portugal, Educational Resources and Technology Team (ERTE)
- **Info about the Mooc:** « A Inteligência Artificial já faz parte do nosso dia a dia e está em constante evolução! Saiba como preparar os estudantes a enfrentar novos desafios e a desenvolver competências digitais. (Artificial Intelligence is already part of our daily lives and is constantly evolving! Learn how to prepare students to face new challenges and develop digital skills). »
- 🚀 This Mooc was mentioned several times at the launch of the AI4T project.
- **Language:** PT
- **Registration:** Free
- **Certification:** No
- **Accessibility:** Not accessible in 2022
- **Access to the Mooc:** nau.edu platform¹²

3 - ON-LINE RESOURCE ABOUT AI AND EDUCATION

THAT'S AI



Info

- **By:** EPFL (Ecole Polytechnique de Lausanne) Extension school: The EPFL Extension School teaches applied digital skills, online. We believe that everyone should gain digital knowledge and skills to be able to make the most of the opportunities in today's world.
- **Info about the resources:** « "That's AI" is your introduction to the world's most important technological development. Find out how AI is transforming everything around us and learn how to become an active participant in this exciting new world. »
- 🚀 This Mooc was mentioned several times at the launch of the AI4T project.
- **Language:** DE, EN, FR (some articles solely in English)
- **Registration:** Free
- **Certification:** No
- **Accessibility:** Unlimited
- **Access to the resources:** That's AI Website¹³

AI IN EDUCATION

Info

- **By:** University of Oxford - [IT Learning Centre](#)
- **Info about the resources:** « Series of lunch-time talks on Artificial Intelligence (AI) in Education that were co-organised with the Centre for Teaching and Learning in 2019. »
- 🚀 This Mooc was mentioned several times at the launch of the AI4T project.
- **Language:** EN
- **Registration:** Free
- **Certification:** No
- **Accessibility:** Unlimited
- **Access to the resources:** On the website of IT Learning Center¹⁴

1. <http://course.elementsofai.com> ↩
2. <https://buildingai.elementsofai.com/> ↩
3. Intelligence Artificielle avec intelligenecen, <https://www.fun-mooc.fr/fr/cours/lintelligence-artificielle-avec-intelligence/ncelligence-education-for-teachers/home/info> ↩
4. AI for everyone, <https://www.coursera.org/learn/ai-for-everyone/home/week/1> ↩
5. Artificial Intelligence, <https://www.futurelearn.com/courses/artificial-intelligence> ↩
6. <https://openclassrooms.com/en/courses/7078811-destination-ai-introduction-to-artificial-intelligence> ↩
7. <https://openclassrooms.com/fr/courses/6417031-objectif-ia-initiez-vous-a-lintelligence-artificielle> ↩↩
8. <https://www.my-mooc.com/> ↩
9. <https://www.coursera.org/learn/artificial-intelligence-education-for-teachers> ↩



10. Artificial Intelligence (AI) Education for Teachers, <https://www.coursera.org/learn/artificial-intelligence-education-for-teachers> ↩
11. AI Basics for school, <https://www.europeanschoolnetacademy.eu/courses/course-v1:CodeWeek+AI+2021/about> ↩
12. A inteligencia artificial vai transformar a escola, <https://www.nau.edu.pt/curso/a-inteligencia-artificial-vai-transformar-a-escola/> ↩
13. That's AI - EColé Pyltechnique de Lausanne, <https://www.that's-ai.org/en-GB> ↩
14. <https://skills.it.ox.ac.uk/ai-in-education-course-pack> ↩