



## RESOURCES

Video Lectures,  
Lesson Overview,  
Activities,  
Introductory Videos,  
Slides, 1 quiz per  
lesson and  
downloadable pdfs



## CERTIFICATION

Upon completion,  
you will receive  
recognition through a  
verified, easily  
shareable Certificate  
to highlight the  
knowledge and skills  
you've gained.



## REGISTRATION

To register for the  
course, please visit:  
[www.mooc4dev.org/aiforteachers](http://www.mooc4dev.org/aiforteachers)



## COURSE TOPICS

Lesson Introduction  
Lesson 1: What is AI?  
Lesson 2: How Do  
Machines Gain  
Intelligence?  
Lesson 3: What is an  
Algorithm?  
Lesson 4: Trainable  
Machines  
Lesson 5: Bias in Artificial  
Intelligence

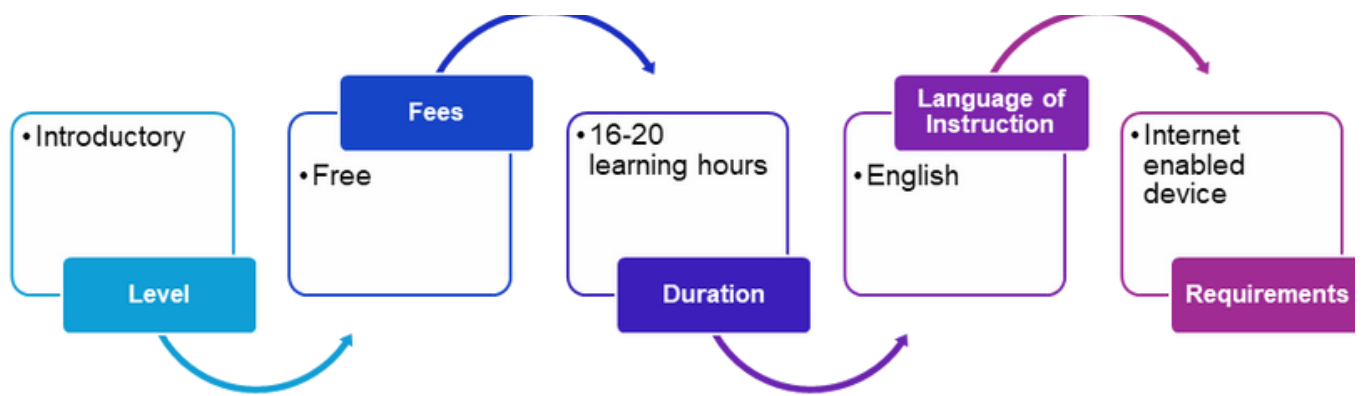
## TARGET AUDIENCE

This course will meet the needs of teachers who may need to know about AI and may also need to talk to teach their students about AI. It is also helpful for those who are passionate about computers and those who wish to become more relevant in the world of educational technology. The course welcomes participants from any region of the world. The main qualifying criteria is your interest and passion for Computers and interest in AI.



Starting from  
December 13th 2023

Teaching Artificial Intelligence to Primary and Middle School Teacher educators and other education practitioners who want to learn about and teach children responsibly and ethically about AI.



## Course Description

This course has been designed to develop skills, attitudes & values that teachers need to nurture an understanding or a consciousness about the world of Artificial Intelligence among learners in their primary and middle schools. It explores various activities that teachers could employ in their classrooms to deliver awareness, and an understanding about Artificial Intelligence. The course begins with an introduction to what is AI, and explores various activities that could impact a general understanding of the science behind AI, teaching machines to think etc.

It then focuses on facilitating teachers with skills to be able to get children to think critically about AI. It touches upon key concepts, of Artificial Intelligence, what it means, what it does or can do, the way we could approach AI to enhance knowledge, attitudes and perceptions about this fascinating world and how best we may leverage it, to serve our teaching/ learning purposes.

The course will draw on a variety of real-world examples and activities that we may perform to demonstrate the importance of understanding AI as a long-term strategy for meeting key sustainable development goals within the context of SDG 4 to “ensure inclusive and equitable quality education and promote lifelong learning opportunities for all”.

## Outcomes of the Course

After completing the course, you should be able to:

- Explain the fundamentals of Artificial Intelligence.
- Identify examples and non-examples of Artificial Intelligence.
- Argue reasonably about the use of AI, supported by evidence.
- Understand what a dataset is.
- Understand how to make a machine intelligent.
- Know what an algorithm is and be able to write your own algorithm.
- Be able to train a machine to recognize certain images.
- Understand the concept of algorithmic bias and be able to rationalize the implications of algorithmic bias in some of the things they interact with and learn about what could be done to reduce algorithmic bias.
- Understand the way to use AI responsibly and ethically.