



AI for youth in Edo- Implementation Toolkit for Teachers

Part 1: An introduction to Artificial Intelligence- Online training

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Acknowledgements

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AI for Youth in Edo Program

An introduction to Artificial Intelligence– Online Resources for Teachers

I. Learning Journey

This document is the first in a set of three that will be part of an “**AI for youth: Implementation toolkit for teachers**”. The three documents lay out key pieces of a learning journey towards using AI in the classroom:

1. **Part 1:** An introduction to Artificial Intelligence- Online training
2. **Part 2:** Handbook for teachers on the use of AI in the classroom
3. **Part 3:** Session Guidelines and Prompt Architecture

II. Main learning goals of the online training

The online resources provided (a series of videos and short notes) aim to reply to the following three questions:

- What are the key concepts to be familiar with?
- How can AI be used to enhance teaching and learning?
- What are some practical ways to use Generative AI in the classroom?

III. Format:

Self-paced, you can complete this at any time that is convenient for you, just do not forget that the sooner the better as you will be able to raise better questions during the orientation workshop that will take part in your school in May.

IV. Purpose:

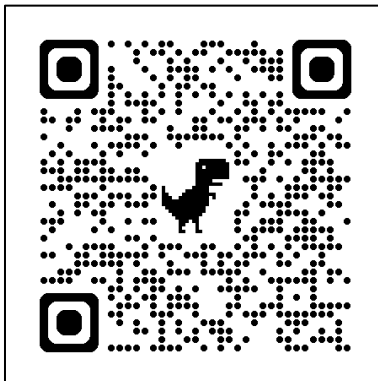
These curated materials are to be shared with teachers ahead of an orientation workshop, so they come to that session informed and make the best use of the workshop.

V. Time commitment:

Completing the training should take approximately from **2 hours to 2 hours and a half**, optional resources are provided for those interested to delve deeper into some topics.

VI. Engagement/ Communication:

Join the Community of Teachers part of the AI for Youth in Edo Program via QR code:



Or via this link: <https://chat.whatsapp.com/KLX8pQxpGTJGXIIzmEbXVb>

You can use this channel to share questions to the technical team and to discuss with other teachers.

***Disclaimer:** While this program will use [Microsoft's Copilot](#) (as it can be integrated better into school computer labs while using Office suite) the main takeaways from the Toolkit and training can be applied to any generative AI system such as ChatGPT, Gemini, Claude, etc. For example, you can learn about the differences between Copilot and Chat GPT [here](#).

VII. Syllabus

Required materials to complete:

1. Introduction to AI, GenAI, LLMs and their use in education	
Description: A collection of short videos and takeaways from the course “Empower educators to explore the potential of artificial intelligence” developed by Microsoft Education.	
Links to Resources (in the order to complete them)	
1. Introduction to AI ----- access here 2. Generative AI ----- access here 3. Large Language Models -----access here 4. AI in Education -----access here 5. Check your knowledge-----access here	
This videos should be complemented by ISTE’s Minibook on bringing AI into schools (6 pages): access here and TeachAI seven principles for AI in education: access here	
What are you expected to learn?	• You will understand basic key concepts such as GenAI and LLMs. • You will find some answers to your most frequent questions on the use of AI in education. • You will assess some of the benefits and risks of using AI in education.
Estimated time to complete: 35-45 minutes.	

2. How can AI be used to enhance teaching and learning? Practical ways to use GenAI in the classroom

Description: In this section you will find curated resources about how AI can be used to improve students' learning in the classroom. Then you will access videos from Microsoft Education on how to effectively use Copilot in the classroom by learning how to create prompts, evaluate them and guide students in its use.

Links to Resources (in the order to complete them)

1. **Practical AI for Instructors and Students** (Wharton Crash Course on AI) discusses how you can guide your students to use AI to enhance their learning, it includes guidelines and tips for getting the most out of the interactions. Watch the video [here](#)
2. **How to use Microsoft's Copilot and its main features**----- access [here](#)
3. **How to design prompts for learning using Copilot**----- access [here](#)
4. **How to evaluate Copilot responses** ----- access [here](#)
5. **Learners as users of AI**----- access [here](#)
6. **Considerations when working with AI**----- access [here](#)

What are you expected to learn?

- You will understand that teachers are key to guide students in the use of AI in the classroom.
- You will explore how to use a GenAI tool: Microsoft Copilot and learn how to design prompts, evaluate them, and help students reflect on the use of AI.
- You will understand how to use AI as a tool in your service and for your students, while understanding its limitations such as inaccuracy and hallucinations.

Estimated time to complete: 60-70 minutes.

Other (optional) materials:

1. Are secondary schools already using AI? Where?

Description: These videos summarize some current applications of AI in schools in the US and Australia.

Link to videos:

- **New South Wales (Australia):** <https://www.youtube.com/watch?v=hB1B5xj3Pco> and <https://www.theguardian.com/australia-news/2024/jan/23/chatgpt-in-australian-schools-what-you-need-to-know-law-changes>
- **Newark, US (Khanmigo):** <https://www.youtube.com/watch?v=wIPZyXuD5XM>

When should you watch it?

- If you want to see some quick videos of cases of application of AI in the classroom. In case you would like to see the framework of use of ChatGPT developed by NSW in Australia, you can download it here: <https://www.education.gov.au/schooling/resources/australian-framework-generative-artificial-intelligence-ai-schools>

Estimated time to complete: 6 minutes.

2. AI can do your homework. Now what?

Description: A well-developed video essay by Vox on the complexities of the use of AI in education. It captures voices from secondary school students and teachers in the US.

Link to video: https://www.youtube.com/watch?v=bEJO_TVXh-I

When should you watch it?

- If you would like to hear voices of teachers and students during using AI as part of a “new normal” in schools.
- If you would like to understand the policy options offered: ban the use of AI vs. incorporating, it with adequate pedagogical design.
- If you would like to know how to address the flaws and limitations of AI and what could be the negative effects of over relying on AI.

Estimated time to complete: 17 minutes.

3. Practical AI for Instructors and Students – Crash Course

Description: A more in-depth course on everything you need to know on AI. You have done one episode as part of the required material, here you will find the remaining episodes.

Link to video series (full course):

https://www.youtube.com/watch?v=t9gmyvf7JYo&list=PLwRdpYzPkkn302_rL5RrXvQE8j0jLP02j

When should you watch it?

- If you would like a more detailed and practical approach to how LLMs work and what they can and cannot offer to education.
- If you would like to know more details on the potential of AI to make teaching easier and more effective, with example prompts and guidelines, as well as how students can use AI to improve their learning.

Estimated time to complete: 40-50 minutes.

4. AI 101 for Teachers – online learning series

Description: an online learning series for any teacher and educator interested in the groundbreaking world of artificial intelligence (AI) and its transformative potential in education. Partners Code.org, ETS, ISTE and Khan Academy have curated sessions with renowned experts that will demystify AI, explore responsible implementation, address bias, and highlight how AI-powered learning can revolutionize student outcomes.

Link to course: <https://code.org/ai/pl/101>

When should you watch it?

- If you want to become an expert on AI in education and would like to coach other teachers and even parents in what it is, its limitations and potential benefits.

Estimated time to complete: 2 hours and a half.

5. Artificial Intelligence and Education: Cultivating Critical Thinking in an AI World

Description: this podcast provides key considerations for policymakers and educators, and the application of critical thinking as a core value when using AI in education. The host is Cristobal Cobo, from the EdTech team, with guests Mike Trucano, Visiting Fellow at the Brookings Institution, and Maria Rebeca Barron Rodriguez, core member of the World Bank EdTech team,

Link to document: <https://podcasts.apple.com/us/podcast/artificial-intelligence-and-education-cultivating/id1523333192?i=1000646446532>

Why should you listen to it?

- If you would like to hear about the quick story of GenAI so far, its promise and limitations for education. Guests also share resources and perspectives on how to navigate the introduction of AI in education.

Estimated listening time: 33 minutes.

6. Open AI's Teaching with AI guidance	
Description: this blog supplies some pointers on how teachers can use ChatGPT.	
Link to document: https://openai.com/blog/teaching-with-ai	
Why should you read it?	If you would like to learn more about uses and would like to practice not only in Copilot but also in ChatGPT.
Estimated reading time: 5 minutes	
7. Guidance for generative AI in education and research (UNESCO, 2023)	
Description: UNESCO's first global guidance on GenAI in education aims to support countries to policies and develop human capacity to ensure a human-centered vision of these innovative technologies.	
Link to document: https://unesdoc.unesco.org/ark:/48223/pf0000386693	
When should you read it?	If you take part in school leadership and policy making at the state level and would like to have a more in-depth discussion on larger challenges of using GenAI in education and research.
Estimated reading time: 2 hours	

If you have any questions on these materials please contact mbarronrodriguez@worldbank.org mdesimone@worldbank.org, and wmosuro@worldbank.org or post your questions in the [Whatsapp Community Group](#)