Teach For All | A Global Network

Artificial Intelligence (AI) in the Classroom: Nurturing Awareness and Career Exploration

Student activity #3 Lesson Plan - Unlocking Future Pathways: Exploring AI Careers

Learning objectives

- ☑ Students learn about various AI career pathways.
- ☑ Students learn about what it takes to have a career in AI domains.
- ☑ Students are inspired to consider pursuing careers in AI.

Structure of the lesson

- ☑ Introduction - 15 minutes
- ☑ AI careers - 15 minutes
- ☑ Whole group discussion - 25 minutes
- ☑ Processing and closing - 5 minutes

Duration: 60 minutes

Note to Educators: Note to Educators: This resource is provided as an example and is intended to serve as a foundational template. Educators are encouraged to adapt and modify the content to better suit their specific educational contexts, needs, and the unique requirements of their students. Customization will ensure the most effective and relevant learning experience.

Resources

- Lesson slides
- AI Career conversation resources:
  - Eva-Marie Muller-Stuler, Data & AI Practice Lead for EY MENA
  - Jacqueline Arrieta Pacheco Gen AI Strategy Execution and PMO for EY Latam
  - Lulia Popescu, Senior Consultant Cybersecurity, EY Technology Consulting
  - Kirk Hachigian, Product Manager, EY Generative AI Task Force

Timing	Facilitator's actions	Technical notes

0-15 mins	**Slides 1-4: Introduction**
	
	• Introduction (15 mins)
	  ○ Briefly discuss artificial intelligence (AI) and its importance in today's world.
	    ■ Share examples of AI in real life that are relevant to the context:
	      • How social media recommendations work
	      • Gaming
	      • Generating content, such as images
	  ○ Explain the objective of the workshop: to explore the diverse career opportunities available in the field of AI.	

	○ Discuss ways AI can help us - examples: 　■ AI can save time and make tasks easier by automating repetitive tasks. 　■ It can help us make better decisions by analyzing large amounts of data quickly. 　■ AI can also assist in solving complex problems that might be too difficult or dangerous for humans to handle alone.	
6-30 mins	**Slides 5-8: AI Careers** • Ask students to share about example of AI careers • Present slides or posters highlighting various AI-related career paths, such as: 　○ Data Scientist or Analyst 　○ Robotics Engineer 　○ Machine Learning Engineer 　○ AI Software Developer 　○ Games developer • Depending on available time, show short videos of professionals sharing about their work. You can leverage the following videos: 　○ Eva-Marie Muller-Stuler, Data & AI Practice Lead for EY MENA 　○ Jacqueline Arrieta Pacheco Gen AI Strategy Execution and PMO for EY Latam 　○ Lulia Popescu, Senior Consultant Cybersecurity, EY Technology Consulting 　○ Kirk Hachigian, Product Manager, EY Generative AI Task Force 　In these videos, professionals answer the following questions: 　○ What initially sparked your interest in artificial intelligence and related fields? 　○ What excites you most about working in the field of artificial intelligence? 　○ How do you see AI impacting the world in the future, and why do you believe it's important for students to get involved in this field? 　○ Can you share a bit about your educational and professional background in AI? 　○ What advice would you offer to students interested in pursuing careers in AI? 　These videos provide students with information about the types of jobs available that utilize AI, the mindsets and basic skills required, and the job market outlook. Since the world of AI is constantly changing and new positions are being added every day, these videos highlight how the field is growing and how students may be able to pursue careers that build and use AI.	Teachers can also choose to invite to the classroom local AI professionals or have an online conversation with AI professionals in their network
31-55 mins	**Slide 9: Group discussion** • Whole group discussion (25 mins): Encourage students to express their interests in potential career paths and discuss how learning about these careers could influence their educational journey. Students can explore how their passions align with their academic pursuits, leading to greater motivation and direction in their studies. This empowers students to make informed decisions about their education based on their aspirations and goals.	
56-60 mins	**Slides 10-12: Processing and closing** • Processing (4 mins): Ask a few students to briefly share: 　○ What does what they learned make them think? 　○ Anything else they want to share? • Closing comments and expressing gratitude (1 min)	