

ASD-N

AI SKILLS CONTINUUM

“AI curricula should cover the impact of AI on our lives, including the ethical issues it raises, as well as age-appropriate understanding of algorithms and data, and skills for the proper and creative use of AI tools including GenAI applications.” (UNESCO, Guidance for Generative AI in Research and Education, 26)



AI skills are applicable across all learning areas and are not exclusively tech-based. Civics, digital literacy, personal wellness, scientific inquiry, and societal analysis are some of the areas teachers can incorporate instructional practices to foster AI skill development. At the school level, teacher teams are further encouraged to discuss these skills and use curriculum mapping to make informed decisions about where these skills can be enacted in the curriculum within their school.

BY THE END OF THESE PROGRAM BLOCKS, LEARNERS WILL:

6-8

- define AI and give examples of its uses;
- consider the implications of privacy, including how data and algorithms shape their online experience.
- explore how AI chatbots can provide help;
- reflect on the benefits and drawbacks of AI;
- consider the benefits and risks of facial/ biometric recognition.

9-10

- consider how to collaborate with AI ethically and effectively;
- explore how to engineer effective prompts;
- recognize the difference between plagiarism and collaboration;
- critically evaluate information generated by AI;
- define bias and apply it to understanding AI.

11-12

- understand and reflect upon the social implications of AI;
- use AI as a tool for problem solving;
- consider the positive and negative effects of AI on human agency;
- consider how AI further marginalizes certain demographics and data-poor regions;
- consider and reflect upon real world applications of AI.

LESSONS TO SUPPORT ASD-N AI SKILLS CONTINUUM GRADES 6-8



LESSON PLANS ARE HOUSED ON THE ASD-N AI SHAREPOINT, BUT CAN ALSO BE ACCESSED BY CLICKING THE LINKS BELOW:

Skill Descriptor Students will...	Links to Lesson Plans		
define AI and give examples of its uses.	What is AI?	How AI Works	AI Bingo
consider the implications of privacy, including how data and algorithms shape their online experience.	AI Algorithms: How Well Do They Know You?	YouTube Scavenger Hunt	Training Data and Machine Learning
explore how AI chatbots can provide help.	AI Chatbots and Friendship	AI Chatbots: Who's Behind the Screen	AI Chatbots (focus on Siri, Alexa, etc.)
reflect on the benefits and drawbacks of AI.	Our AI Code of Ethics	Societal Impact of Generative AI	Senses vs. Senses *Science connection
consider the benefits and risks of facial/biometric recognition.	Facing Off With Facial Recognition		

AI WARMUPS ARE AVAILABLE FOR ELA, MATH, SCIENCE, AND SOCIAL STUDIES - CLICK HERE →



LESSONS TO SUPPORT ASD-N AI SKILLS CONTINUUM GRADES 9-10



LESSON PLANS ARE HOUSED ON THE ASD-N AI SHAREPOINT, BUT CAN ALSO BE ACCESSED BY CLICKING THE LINKS BELOW:

Skill Descriptor Students will...	Links to Lesson Plans			
consider how to collaborate with AI ethically and effectively;	Interview with ChatGPT	Using the SPACE framework to write with AI		
explore how to engineer effective prompts;	Prompt Engineering			
recognize the difference between plagiarism and collaboration;	Artificial Intelligence: Is It Plagiarism?	Collaboration vs. Plagiarism		
critically evaluate information generated by AI;	Artificial Common Sense	Developing a Critical Eye	YouTube Socratic Seminar	Analyzing GenAI Output
define bias and apply it to understanding AI.	Understanding AI Bias	How AI Bias Impacts Our Lives		

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LESSONS TO SUPPORT ASD-N AI SKILLS CONTINUUM GRADES 11-12



LESSON PLANS ARE HOUSED ON THE ASD-N AI SHAREPOINT, BUT CAN ALSO BE ACCESSED BY CLICKING THE LINKS BELOW:

Skill Descriptor Students will...	Links to Lesson Plans		
understand and reflect upon the social implications of AI.	Facial Recognition for Good, Evil, & Everything in Between	Understanding the Role of Algorithms in Decision-Making	Targeted Advertisement through Social Media
use AI as a tool for problem solving.	Using AI to Solve Environmental Problems	Highway to Autonomy	
consider the positive and negative effects of AI on human agency.	Generative AI & Us: Human Agency in the Era of Creative Machine	The Effects of AI on Human Agency	
consider how AI further marginalizes certain demographics and data-poor regions.	An Equity Lens on Artificial Intelligence	Exploring Algorithmic Biases	
consider and reflect upon the real world applications of AI.	Algorithms in my World		