

ARTIFICIAL INTELLIGENCE — AI —

Artificial Intelligence: AI Adventures

Inspiring the Future of STEM

Artificial Intelligence: AI Adventurers

Our Artificial Intelligence (AI) Adventurers program provides middle-school girls practical, project-based learning focused on three pillars: AI literacy, ethical use, and applied problem-solving.

Program Description

- Students recognize real-world AI systems and develop a shared AI vocabulary
- Students learn image classifiers, recommendation engines, chatbots, and their reliance on underlying datasets
- Teaches students on AI collaboration, ethical AI searches, generative AI for text-generation, and image-creation
- Explores critical algorithmic bias issues, data privacy, academic integrity, and human oversight, culminating in creation of personal or club AI-use charters
- Empowers students to apply AI to real-world challenges—such as local flooding or conservation—by developing mentor-supported projects and presentations

Program Structure

- After-school Club (1.5-2 hrs)
- Women in STEM
- Self-paced module
- Competitions and Hackathons
- Capstone Project
- Field Trip
- Guest Speaker(s)

New Jersey Computer Science Standards

- NJSLS 8.2.8: Design Thinking
- NJSLS 8.1.8: Evaluating Computing Systems & Societal Impact of Technology
- NJSLS 9.4.8: Life Literacies & Key Skills - Critical Thinking



JerseySTEM | Bridging Gender, Innovation, and Opportunity Gaps for Middle School Girls in New Jersey

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