ONE-WEEK WORKSHOP FOR HIGH SCHOOL TEACHERS:

JUNE 17– 21, 2024

Crash Course in Artificial Intelligence
& Learning Material Design Session

RECEIVE ACT 48 CREDITS   **ENROLLMENT IS LIMITED TO 30**

Carnegie Mellon School of Computer Science is offering a week-long workshop, **Crash Course in Artificial Intelligence** along with a **Learning Material Design Session** to support high school educators looking to gain familiarity with AI and to offer AI-related educational activities to their students.

Our week-long workshop will cover an introduction to a broad range of artificial intelligence topics including:

- deep learning
- information retrieval
- linear programming
- machine learning
- randomized algorithms
- recommender systems
- search

Each topic will include a hands-on activity to help you connect the topic to a real-world application. On the last two days, we will form teams of CMU faculty and teachers to work together to create AI-related activities for your classrooms.

We will work directly with you to design and build short demonstrations you can use in your classrooms. Examples include machine learning, search and navigation, and face recognition. We will also have faculty available to help design lecture slide content and talking points for you to use in your classrooms.
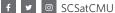
TEACHERS WILL GAIN:

- hands-on skills to implement and apply AI algorithms,

- access to all of the written materials and activities presented in the course,

- additional activities and content that they helped design to be tailored to their classrooms and their students' interests,

- a professional network of Pittsburgh area STEM teachers and Carnegie Mellon faculty who can act as resources and collaborators for future projects.

We will be available to you throughout the school year. CMU faculty will follow up several times during the school year to determine if the materials were sufficient and if you need additional support.

FOR MORE INFORMATION

Please contact Michelle Hyde at **443-621-1355 mhyde2@andrew.cmu.edu** or visit **cs.cmu.edu/~ai-teachers**.

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