

AI for K-12 Guidelines Working Group

What Membership Entails

The AI4K12 initiative, jointly sponsored by AAAI and CSTA, will (1) develop national guidelines for AI education for K-12 students and (2) create an online, curated resource directory to facilitate introducing AI topics into K-12 classes.

There are two levels of participation: a small working group and a larger discussion group. We are actively recruiting members of the working group—particularly, K–12 teachers.

For more information, and to join the project, see <https://github.com/touretzkyds/ai4k12/wiki>.

Structure of the initiative:

- The initiative is chaired by Prof. David Touretzky of Carnegie Mellon University.
- There will be a small working group responsible for producing the guidelines.
- There will be a larger discussion group, open to anyone, that will offer suggestions and supply feedback on drafts.
- Announcements to the discussion group will be made via email to ai4k12-list@aaai.org. To join the list, send email to ai4k12@aaai.org.
- A web form will be set up to collect comments and suggestions.
- The work should take roughly a year to complete.

The working group will contain about two dozen people. There will be roughly equal numbers of K-12 teachers and AI subject experts. There will be 3-4 K-12 teachers responsible for each grade band (K-2, 3-5, 6-8, and 9-12). Each area of AI (e.g., computer vision, or natural language understanding) will be represented by 2-3 subject experts; each expert will handle multiple areas. So, for example, the people responsible for computer vision will try to decide what students should know about how computers see, and will confer with the grade band experts to determine how much of that knowledge should be expected in each grade band, and what are appropriate activities for children in each grade band to engage with computer vision.

Time commitment: the working group will conduct much of its business through email and shared documents, but there will also be online and in-person meetings.

- Members will be expected to work collaboratively to draft guidelines for their grade band on the assigned topics in shared documents - approx. 2-3 hours every 2 weeks (Total 40 hours).
- Members will be expected to participate in a 60 minute online meeting (possibly via Zoom) every two weeks (approx. 10 meetings).
- Members will also be expected to attend two in-person meetings:
 - The fall meeting will take place on Saturday, October 20 in Washington, DC as part of the AAAI Fall Symposium series.
 - The spring meeting will take place in March or April, at a location to be determined.

We are working on securing travel funds to cover the costs of attending these meetings. We will also try to obtain funding to offer modest stipends to the K-12 teachers in the working group.

Other events; attendance is not required but come if you're in town:

- There will be an AI4K12 breakfast at the CSTA meeting in Omaha, on July 10. If you're going to be at CSTA, please come to the breakfast.
- We may do an event at the EAAI (Educational Applications of Artificial Intelligence) meeting, co-located with the AAAI 2019 conference, in February in Hawaii.
- We will do some type of event at SIGCSE 2019 in February in Minneapolis.