

Supports for States Looking to Implement K-12 AI Education

We are leveraging the advancement of the K-12 CS Education movement to help states, districts, and schools used effective strategies for integrating AI education into their curriculum. This is especially important as each state has different procedural structures for implementing new curricular content while curricular and instructional resources can be shared more universally.

For instance,

- Adoption of state standards
- Development of Career and technical education (CTE or CTAE) pathways
- Computer Science electives
- Integration of Computational Thinking into STEM courses
- Math, Science, or Foreign language requirement

Similar to the work of CSTA and the CS K-12 Framework, we are developing guidelines to for what students should know and be able to do with AI. Our aim is that these guidelines will help curriculum developers, professional learning developers, and teachers find ways to teach AI and provide alignment across various implementations and offerings.

- The AI4K12 Guidelines are organized around the [5 Big Ideas in AI](#): 1-Perception, 2-Representation & Reasoning, 3-Learning, 4-Natural Interaction, 5-Societal Impact.
- Take some time to review the [Big Idea #1](#) and [Big Idea #3](#) progression chart developed in collaboration with CS teachers across the country over the past 3 years.

Our goal is to develop community among the states so that they are able to

- use each other as resources
- collaborate on areas of common interest, and
- leverage strategies each state has successfully employed to help others who are getting started in areas where others have developed expertise, models, and resources.
- Minimizing redundant efforts.

The K-12 AI Education State effort is new, we are all working to get started and no one state is operating on all 5 areas we focused on in our AI Rubrics. There are no expectations for speed of pace, just intentional investment in expanding access to K-12 AI education in your state in ways that are meaningful and appropriate for your state and districts.

It is not too late to get engaged. We have all really just begun this journey and there is room for everyone.

Getting Started

- If a team exists for your state, contact [your state team](#) and see how you can get involved
- **Form a state team**
 - a delegation of 4-6 CS Education leaders from your state who can serve as an initial leadership team to help get the ball rolling. You can bring more people in along the way
 - looking for a mixture of attendees including
 - A state-level education official who will have responsibility for overseeing changes to the curriculum standards to incorporate AI, and teacher PD to support those changes
 - A university person who is involved in K-12 computing education in your state
 - A superintendent, principal, or teacher with an interest in K-12 AI education
 - The [ECEP \(Exploring Computing Education Pathways\) Alliance lead in your state](#)
 - [NSF funded - AI Education Research project leads](#)
- **Schedule a time to meet** over two 3-hour sessions (see agenda)
 - *Preparation:* Make a copy of the '[Generic State Folder](#)' and rename it with your state name and work from there.
 - Preparation: WATCH the [general session and AI showcase videos](#) available on AI4K12's YouTube channel.
- **Meet to collaboratively**
 - develop an [AI Vision](#) (video) & [Implementation implications](#) (video) -
 - Follow along with [slides](#)
 - Use the [Sample Breakout Notes doc](#) for all activities located in your copy of the '[Generic State Folder](#)'
 - work through the rubrics to evaluate where you are
 - develop your AI implementation plan for each rubric area
- **Join our State Webinars to join the community and share your progress - our next webinar is July 22 3-5 p.m. ET - 6 month milestone** (*We send details out to the mailing list*)
- Subscribe to the [AI4K12 mailing list](#)
- Participate in the [#AI4K12 Twitter chats](#) 2nd Wednesdays of the month @ 8pm ET / 7pm CT / 5pm PT, our next chat is Today, Wednesday, May 12

Interested in learning more about the AI4K12 initiative.

- Check out our website at www.ai4k12.com
- Download and read '[A Year in AI Education](#)'

If you have questions, feel free to reach out to us at info@ai4k12.org