Rethinking Graduation in the Age of AI

Featuring: Hannah Weissman, Director of Policy, Code.org
Rethinking Graduation in the Age of AI

Women in Government: National Legislative Conference

Representative Maxine Dibert (AK) and Hannah Weissman, Director of Policy (code.org)
Our Vision

Every student in every school should have the opportunity to learn computer science.
Making computer science a foundational part of our schools

1. Create a statewide plan for K-12 computer science
2. Define computer science and establish standards for K-12 computer science
3. Allocate funding for rigorous computer science teacher professional learning
4. Implement clear certification pathways for computer science teachers at elementary and secondary levels
5. Create programs at institutions of higher education to encourage all preservice teachers to gain exposure to computer science
6. Establish dedicated computer science positions in a state education agency
7. Require that all schools offer computer science with appropriate implementation timelines
8. Allow computer science to count toward a core graduation requirement
9. Allow computer science to satisfy an admission requirement at higher education institutions
10. Require that all students take computer science to earn a high school diploma
Zooming in on Policy

Define computer science and establish standards for K-12 computer science

Understand why and how computers work, creating programs rather than just using them
Only **half** of all high schools nationally **offer** computer science.

57.50% of schools offer Computer Science nationally.
High Schools Offering CS
What do we teach students?

A Basic Circuit

\[ a^2 + b^2 = c^2 \]
What **should** we teach?
As of June 2024, ten states have passed graduation requirements, and an additional ten states have filed legislation or are working with the State Board/Department of Education to make regulatory changes for computer science to be a high school graduation requirement.
The Future of Education in an Age of AI
Seven Principles for AI in Education

1. Purpose
   Use AI to help all students achieve educational goals.

2. Compliance
   Reaffirm adherence to existing policies.

3. Knowledge
   Promote AI Literacy.

AI Literacy

How to Use AI
- Applications
- Limitations
- Social Impacts
- Ethics

How AI Works

- Robotics
- Cybersecurity
- Data Science
- Ethics
- Algorithms
- Data
- Programming

TeachAI
Seven Principles for AI in Education

1. **Purpose**
   Use AI to help all students achieve educational goals.

2. **Compliance**
   Reaffirm adherence to existing policies.

3. **Knowledge**
   Promote AI Literacy.

4. **Balance**
   Realize the benefits of AI and address the risks.

5. **Integrity**
   Advance academic integrity.

6. **Agency**
   Maintain human decision-making when using AI.

7. **Evaluation**
   Regularly assess the impacts of AI.
States with AI Guidance

15 States
Q&A for Legislator Attendees

Please step up to the standing microphones in the room.
Please keep your remarks in the form of a question.