Rethinking Graduation in the Age of Al

Featuring: Hannah Weissman, Director of Policy, Code.org





Rethinking Graduation in the Age of Al

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 echoole

Clarity

1.

2.

Define computer Create a statewide science and establish plan for K-12 standards for K-12 computer science computer science

Capacity

3.

Allocate funding for rigorous computer science teacher professional learning

Implement clear certification pathways for computer science teachers at elementary and secondary levels

Create programs at institutions of higher education to encourage all preservice teachers to gain exposure to computer science

5.

Leadership

6.

Establish dedicated computer science positions in a state education agency

Sustainability

7.

Require that all schools offer computer science with appropriate implementation timelines

Allow computer science to count toward a core graduation requirement

8.

Allow computer science to satisfy an admission requirement at higher education institutions

9.

Require that all students take computer science to earn a high school diploma

10.





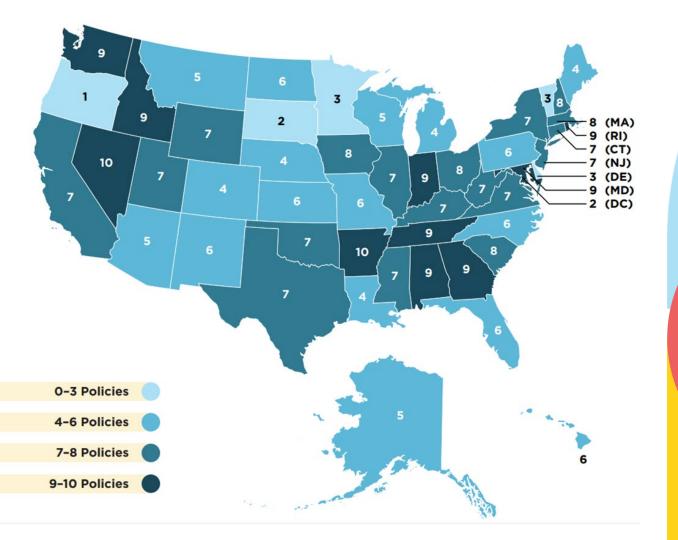


Zooming in on Policy

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

Understand why and how computers work, creating programs rather than just using them





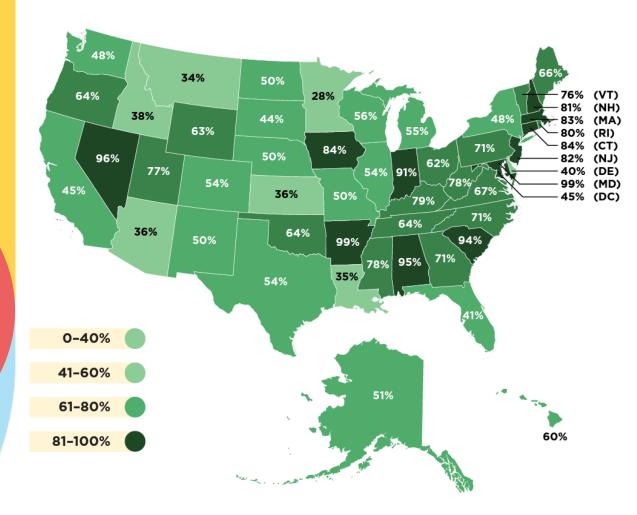
Policies Adopted by State

Only half of all high schools nationally offer computer science

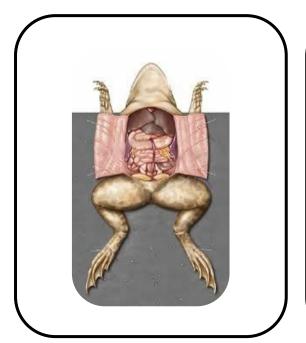


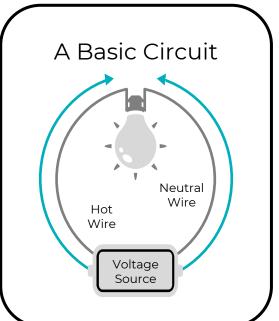
of schools offer Computer Science nationally

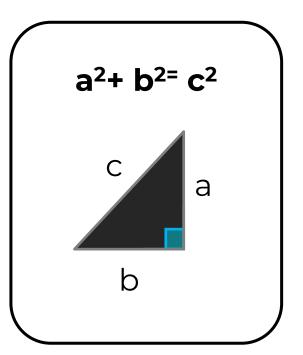
High Schools Offering CS



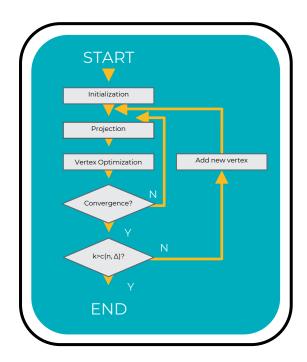
What do we teach students?



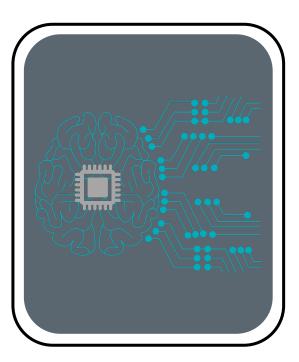




What **should** we teach?

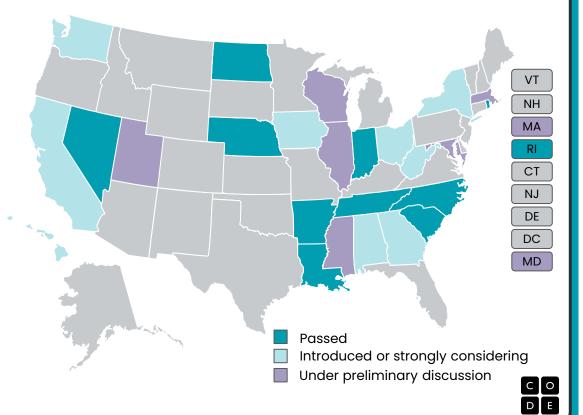






High School Graduation Requirements

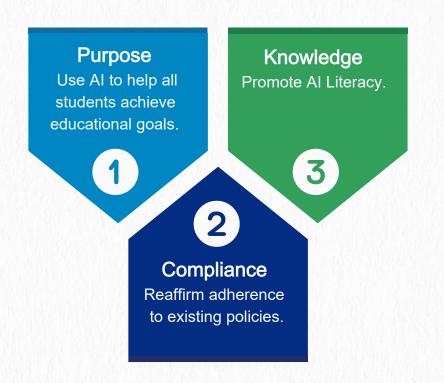
As of June 2024, ten states have passed graduation requirements, and an additional ten states have filed legislation or are working with the State Board/Department of Education to make regulatory changes for computer science to be a high school graduation requirement.



The Future of Education in an Age of Al

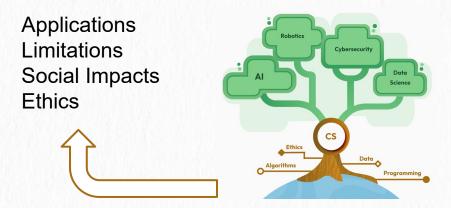


Seven Principles for AI in Education



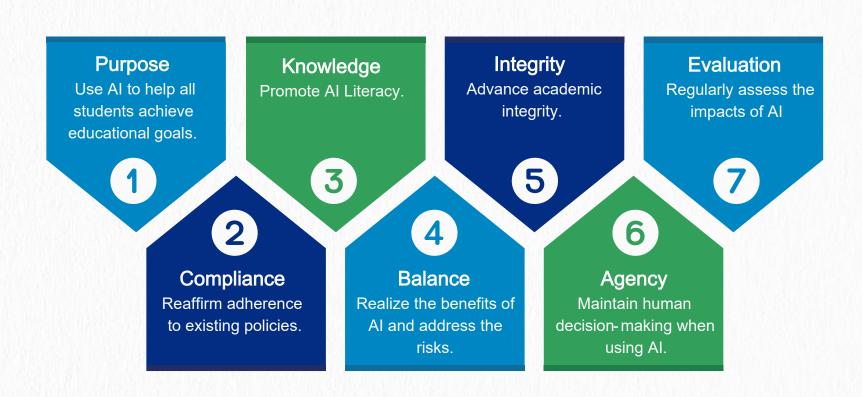
Al Literacy

How to Use AI + How AI Works

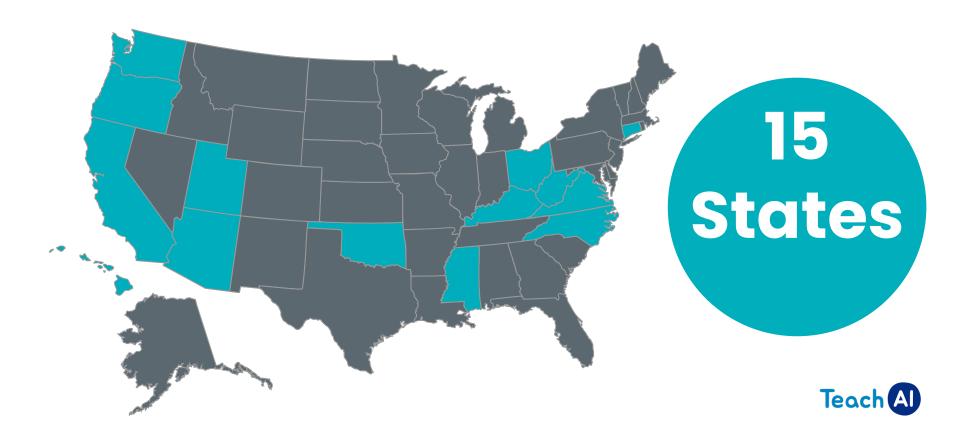




Seven Principles for AI in Education



States with AI Guidance



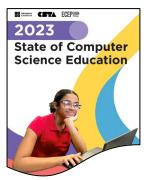
Computer Science and Al Resources

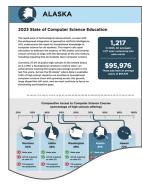












What is Al?

Al in Education

Foundational Al Policy Ideas

Foundational CS Policies

National CS Report

State Data

TeachAl.org

advocacy.code.org

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.



