

Al and Computer science: Modernizing education

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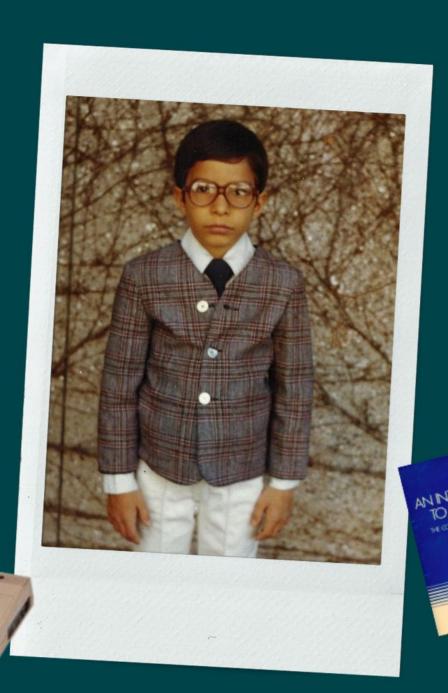






AN INTRODUCTION TO BASIC - PART I THE COMPRESE SIN TEXT POLYCUSES PROCESSMENTS SEE

Opportunity



Code.org impact

300 State policies changed

80 Countries announced national plans

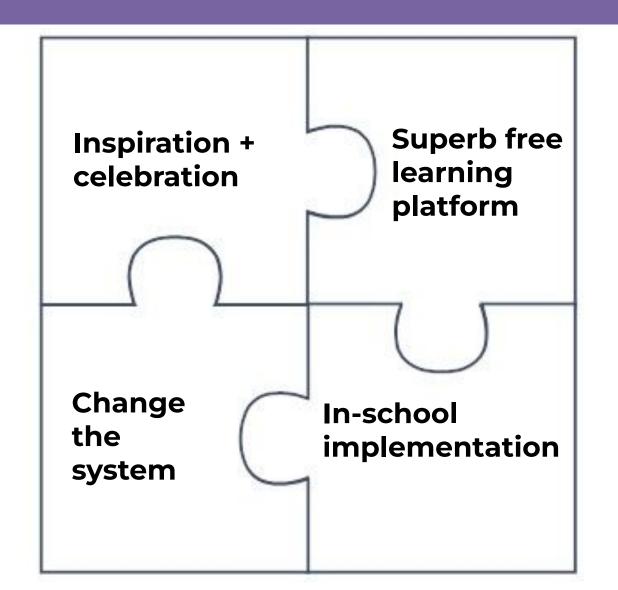
100,000 Teachers trained

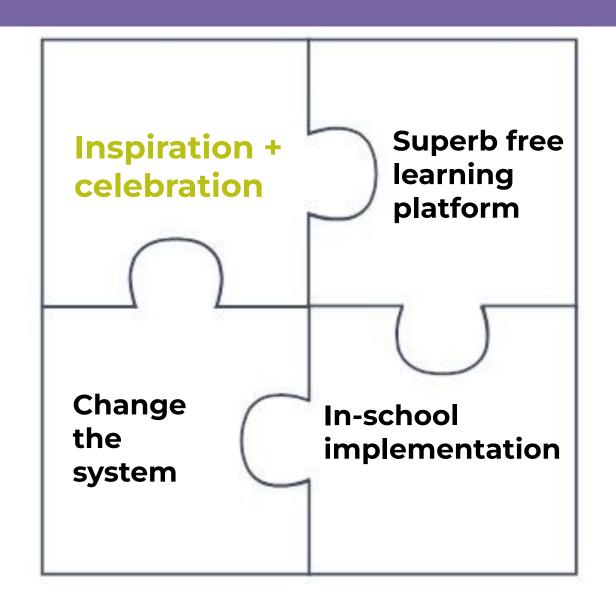
80 Million registered students

250M Projects created

1.7B Hour of Code engagements

Code.org's unique strategy











CODING with JUSTIN TRUDEAU





Test the message for the audience

- Economic growth
- Opportunity for underserved populations, workplace diversity
- Foundational learning for all students
- Creativity in the classroom
- You can change the world
- It's easier than you think
- It's fun



























































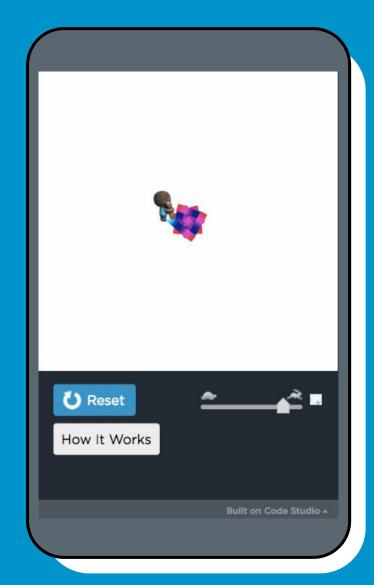


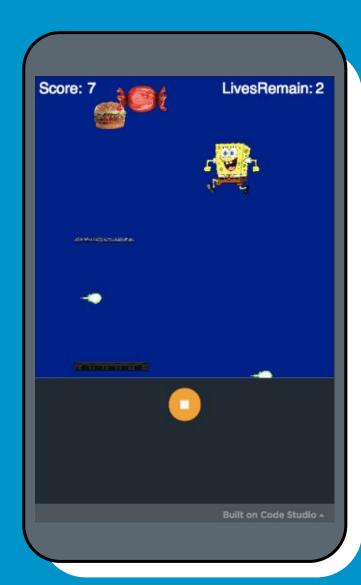


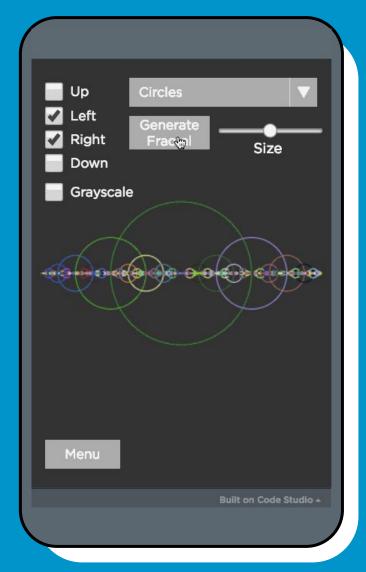


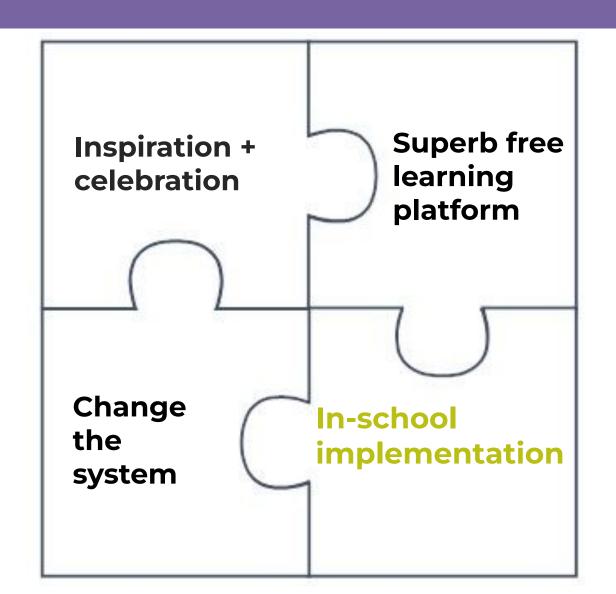
Keys to learning platform success

- Laser-focus on student experience
- Fastest path to experiencing creativity
- Feels more like a game than like homework
- Lower barriers: No software install needed. Even login is optional
- Works on any browser or tablet
- Coming soon: offline, mobile



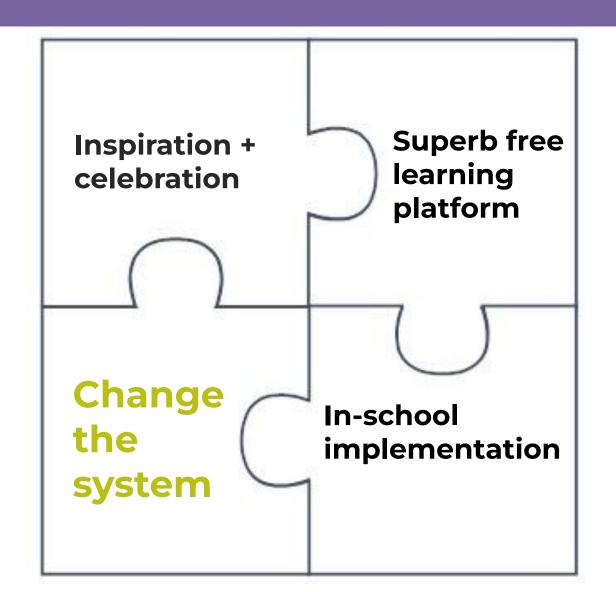


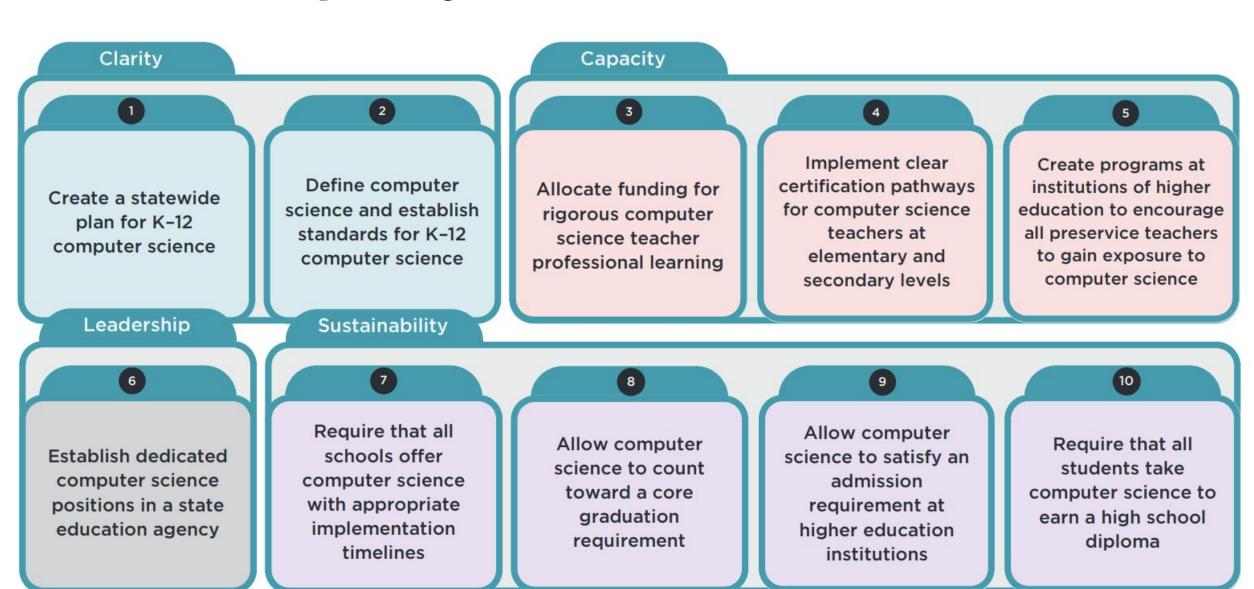


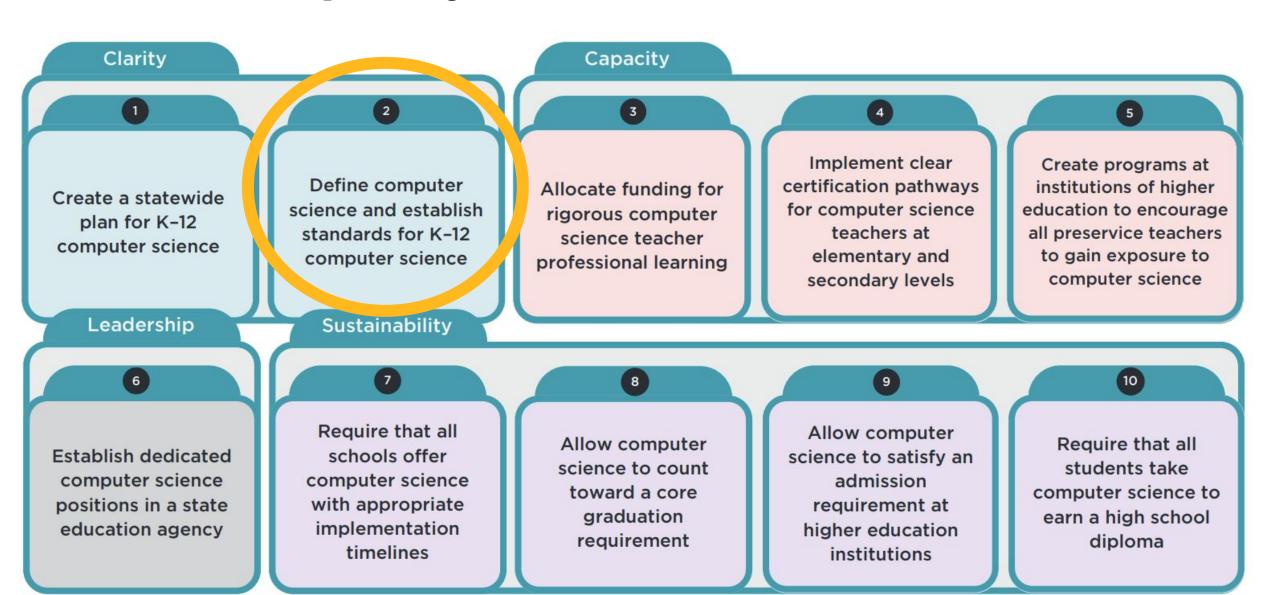


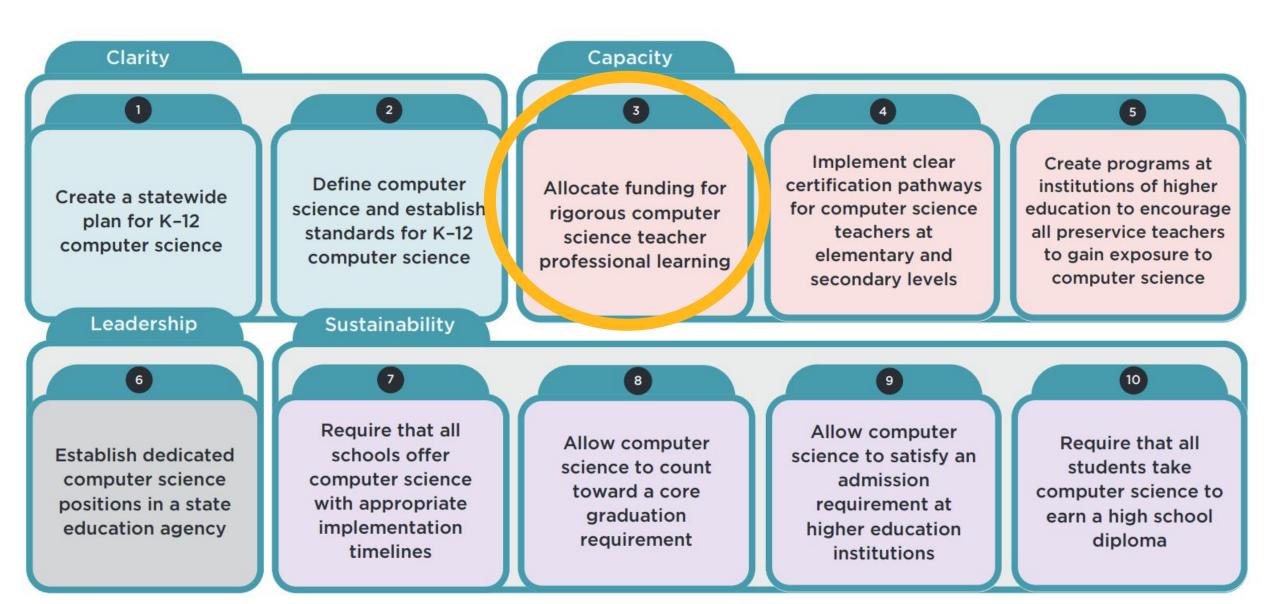
School by school implementation

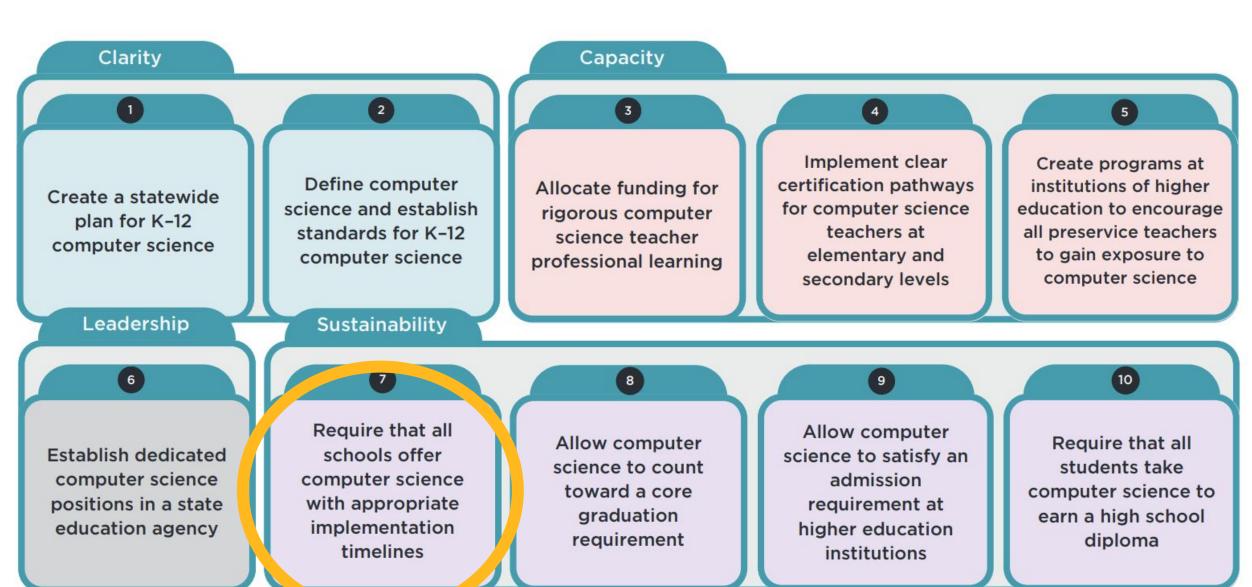
- The unit of change: professional development of CS teachers
- Not training teachers to become computer scientists, but rather training teachers to facilitate an inquiry-based teaching strategy, with courses designed for the role of the teacher as a lead-learner and facilitator
- Train-the-trainer model, 1,000 facilitators, 60 regional partners
- \$2000 cost of a teacher trained
- Data dashboards to assist partners

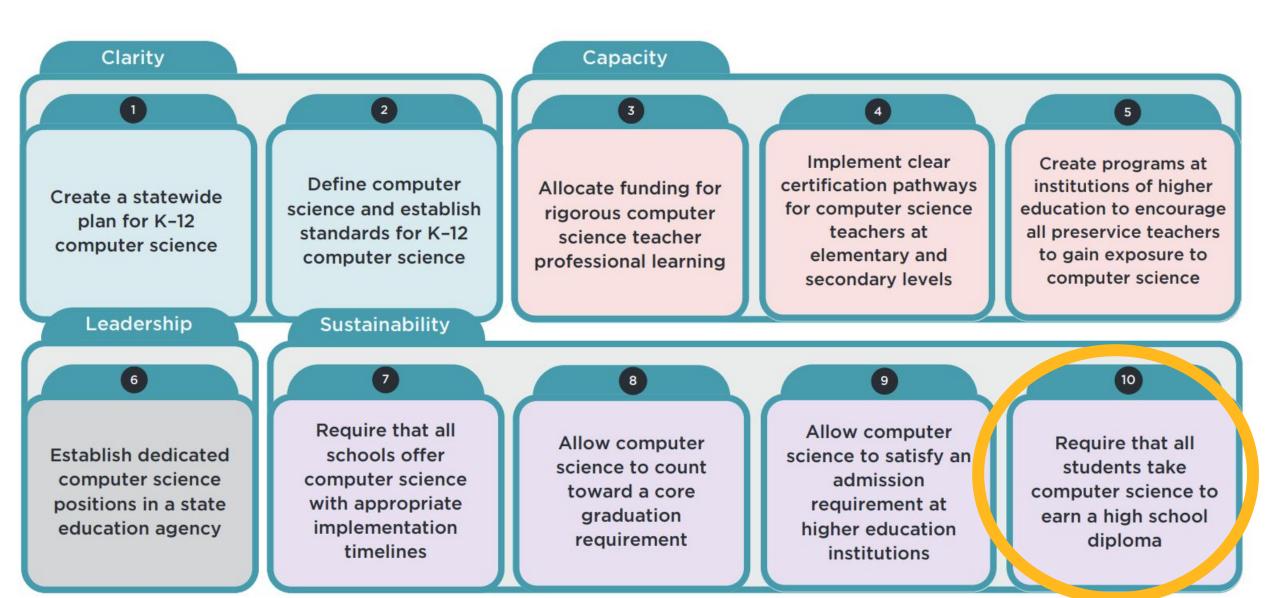




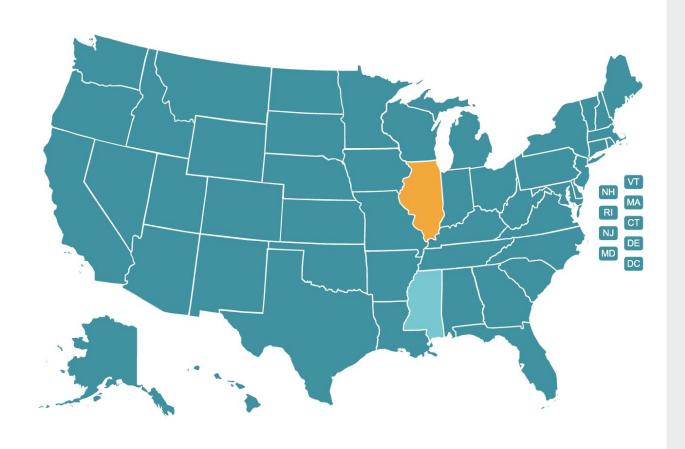








Using data to drive policy change



Illinois

14,160

Open computing jobs

(2.1x the state average demand rate) with an average salary of \$107,579

44%

of public high schools teach a CS class

2,940

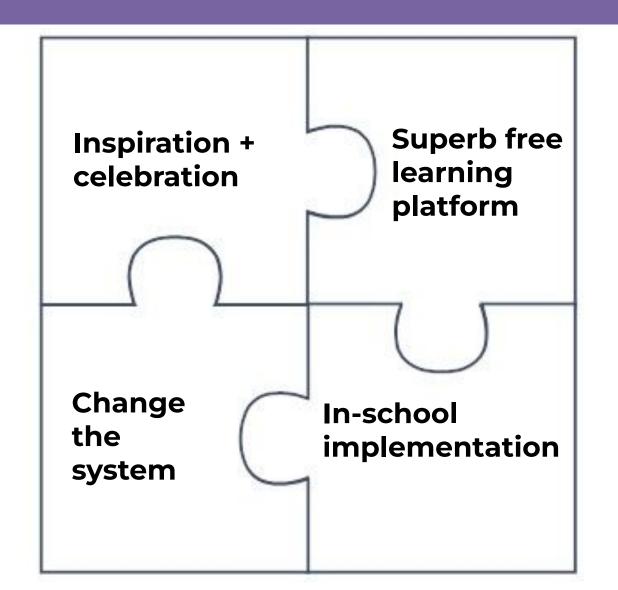
Computer science graduates

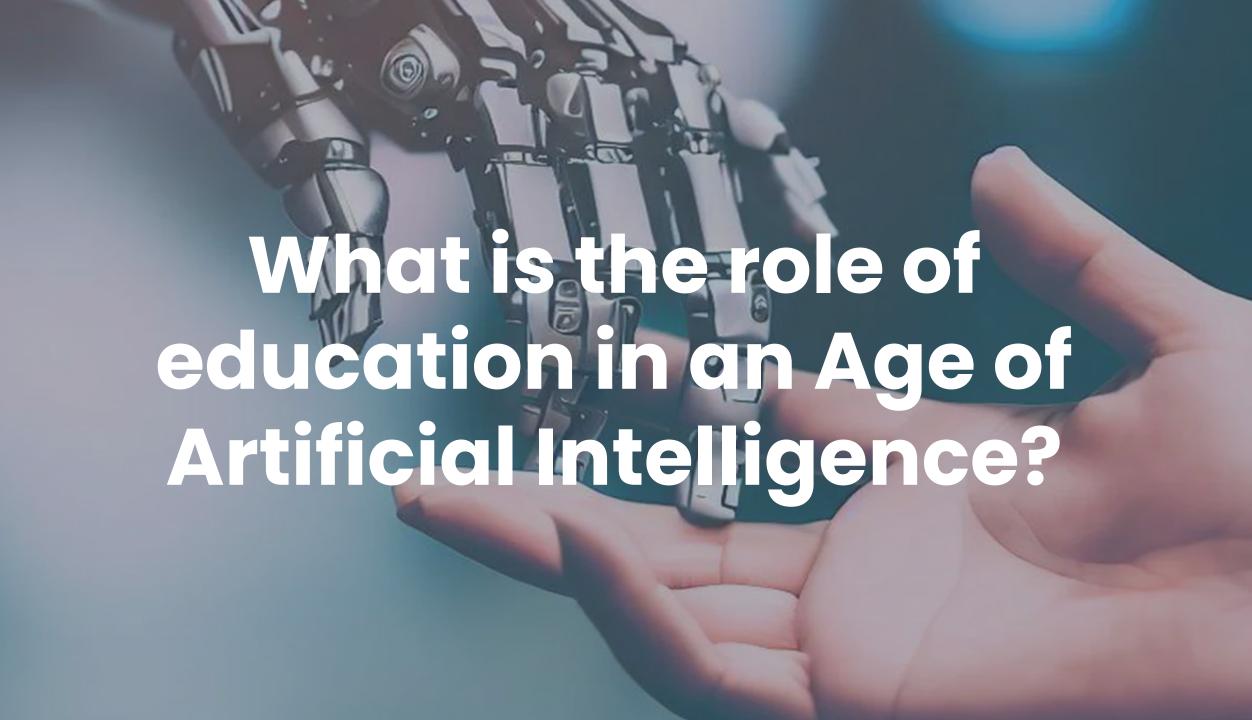
Policy Environment (rubric):

- No dedicated state funding for CS PD
- Requires all high schools to offer CS
- K-12 CS curriculum standards

► AP Stats

View state fact-sheet





Teach (Al)

Empowering educators to teach with Al and about Al



