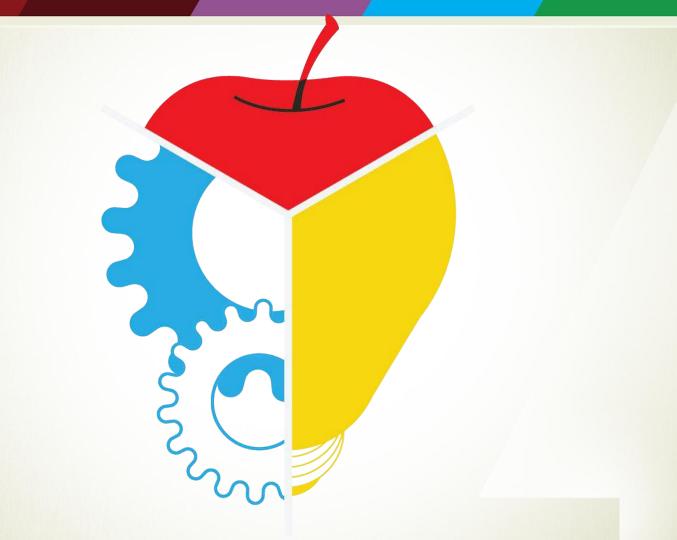
K-12 Education

Samantha Dahlby NewBoCo



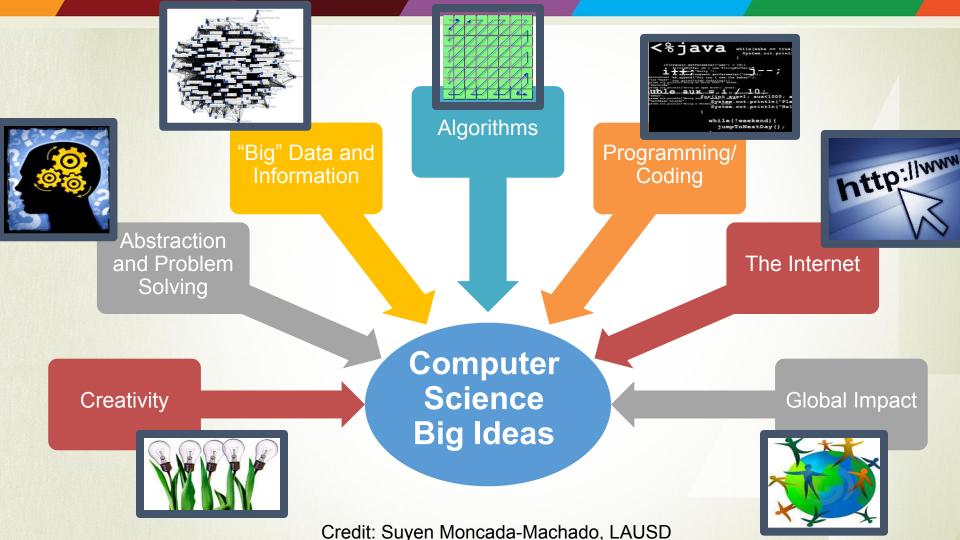




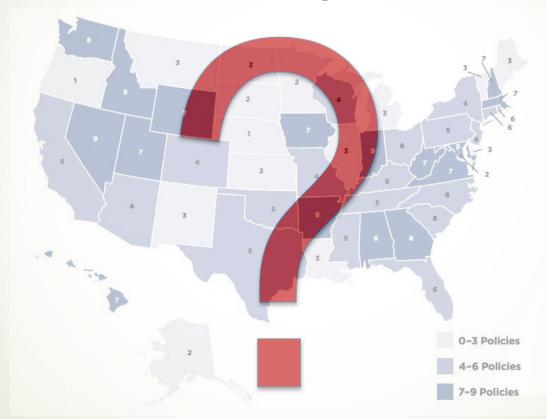


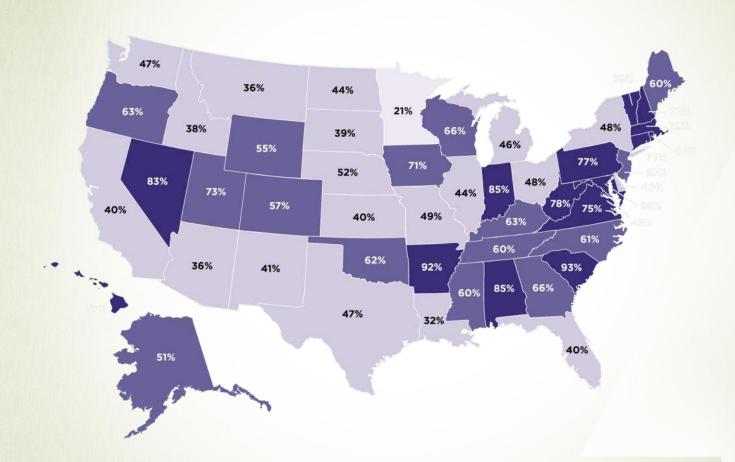






Which states are leading in CS education?





Iowa House File 2629

https://www.legis.iowa.gov/legislation/BillBook?ga=88&ba=hf2629

- The board of directors of each public school district and the authorities in charge of each nonpublic school shall develop and implement a kindergarten through grade twelve computer science plan by July 1, 2022, which incorporates the standards
- One-half unit of computer science commencing with the school year beginning July 1,
 2022.
- Computer science instruction incorporating the standards ..., shall be offered in at least one grade level in grades 1–6 and at least one grade level in grades 7–8 commencing with the school year beginning July 1, 2023.

Computing Jobs

https://code.org/promote/ia

The average salary for a computing occupation in IA is \$91,730.

Iowa

4,262

Open computing jobs

(2.0x the state average demand rate) with an average salary of \$91,730

71%

of public high schools teach a CS class

844

Computer science graduates

Policy Environment (rubric):







NewBoCo Student Programs

Tiny Techies



CoderDojo



Future City

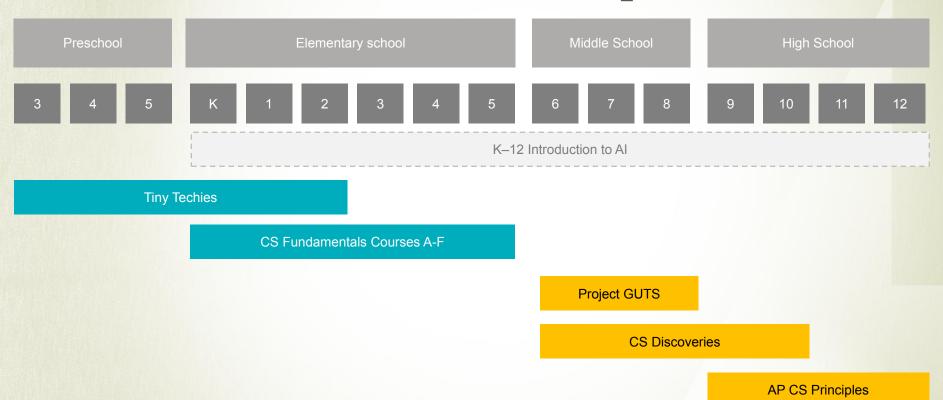


Girls Who Code



NewBoCo Educator Programs

Teacher Professional Development



Tiny Techies

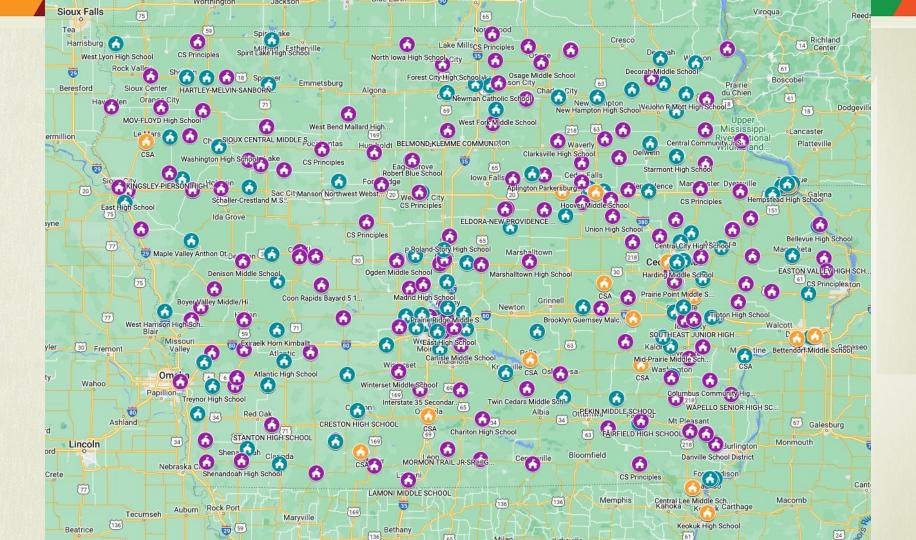


CS Fundamentals

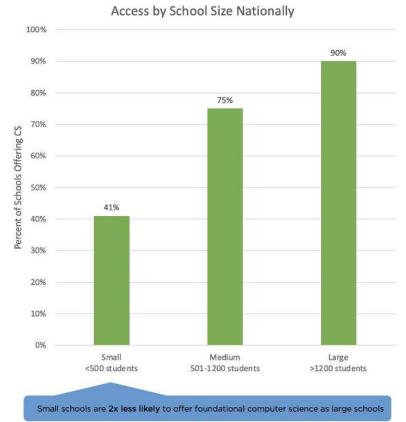




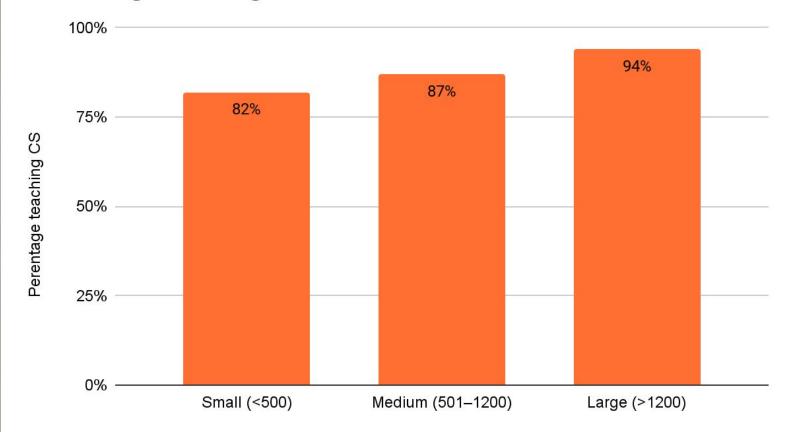




Size as a Predictor of CS in High Schools



Percentage teaching CS vs. School Size



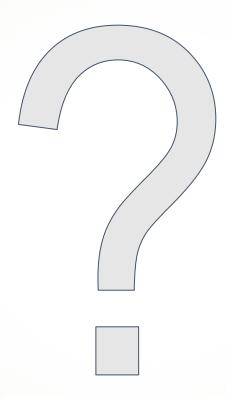
Challenges

- Capacity
- Student recruitment
- Planning
- Buy-In
- Funding process
- Plethora of choices
- Community



Partnerships

- School Districts
- Iowa STEM Council
- Department of Education
- Local Companies
- Area Education Agencies (AEAs)
- Parents/Guardians
- Other Nonprofits



Thank you!

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