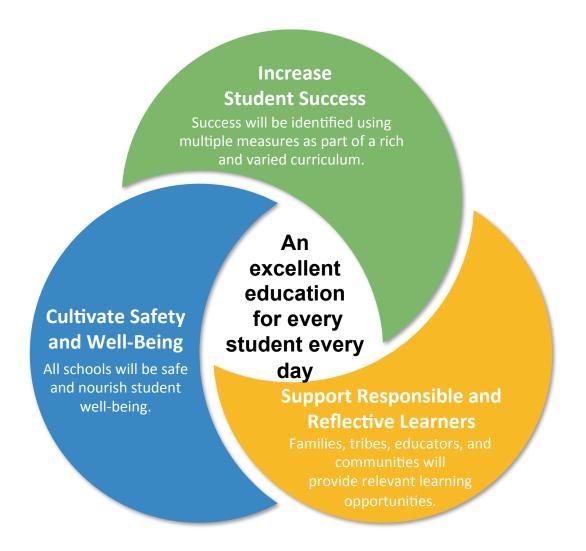


Creating a Culture of Computer Science in Alaska

Sam Jordan
Education Technology Coordinator
Alaska Department of Education and Early Development









Computers, smartphones, smart systems, and other technologies are woven into nearly every aspect of our daily lives... the essential question for American education is:

In a computational world, what is important to know and know how to do?

-Computational Thinking for a Computational World, DigitalPromise.org













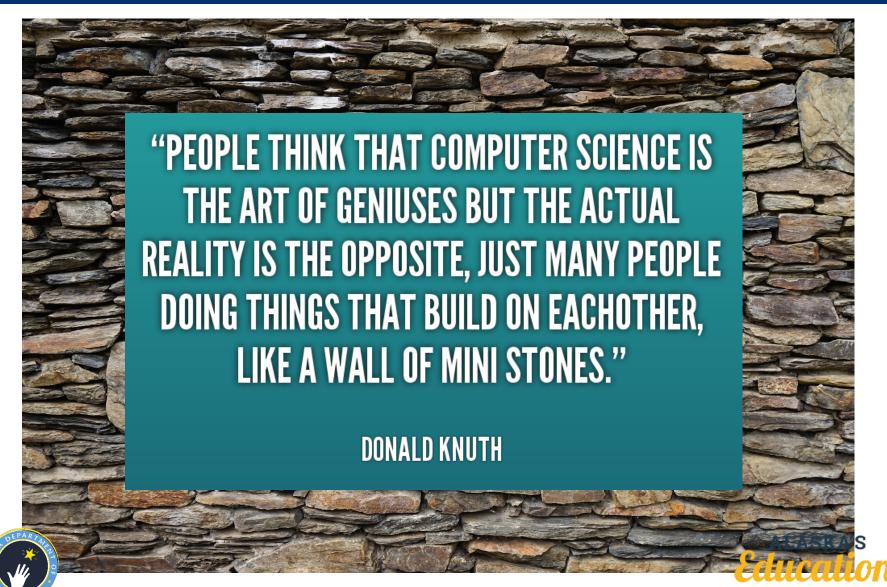












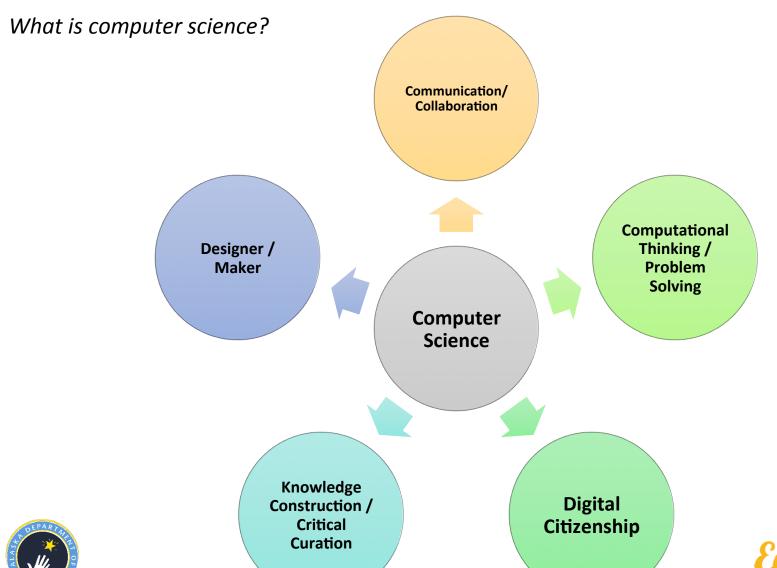








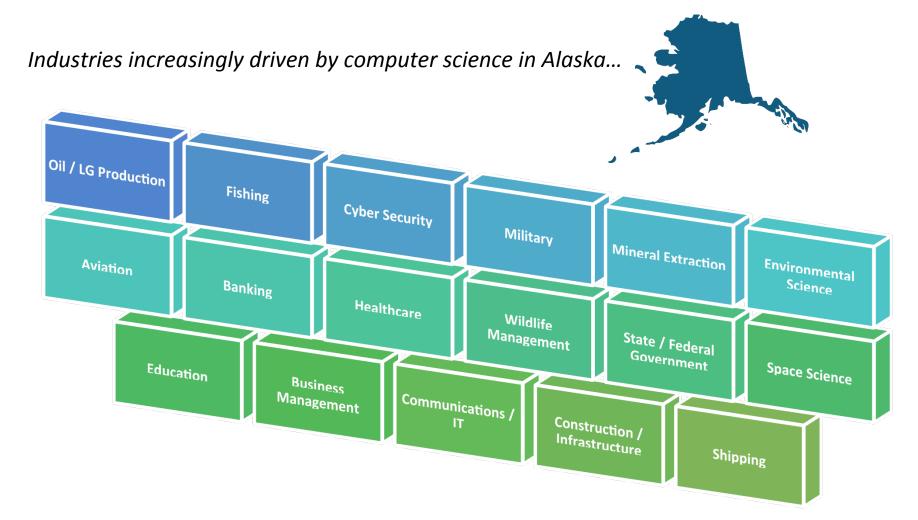






ALASKA'S **CHALLENGE**

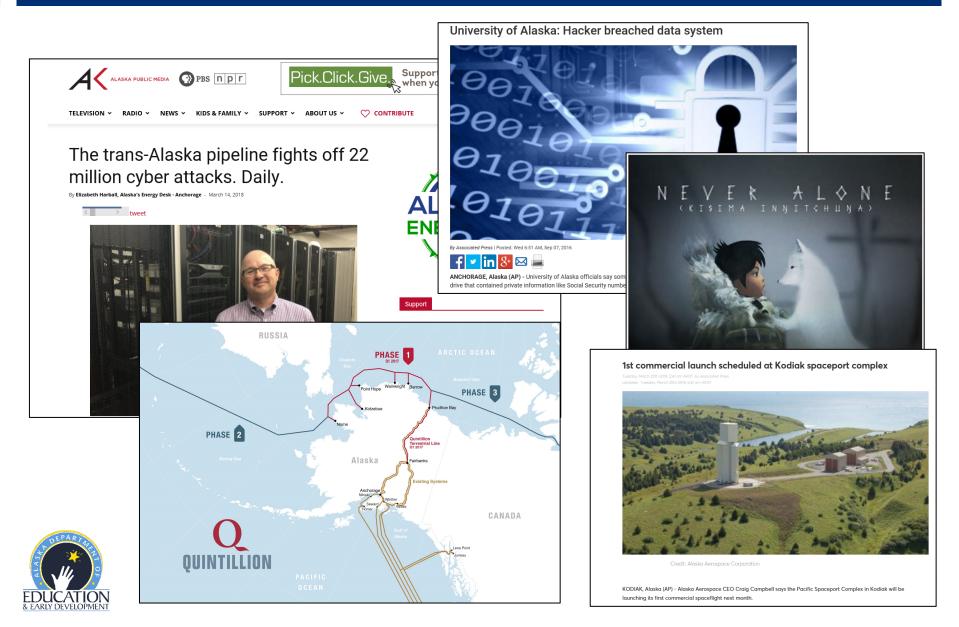






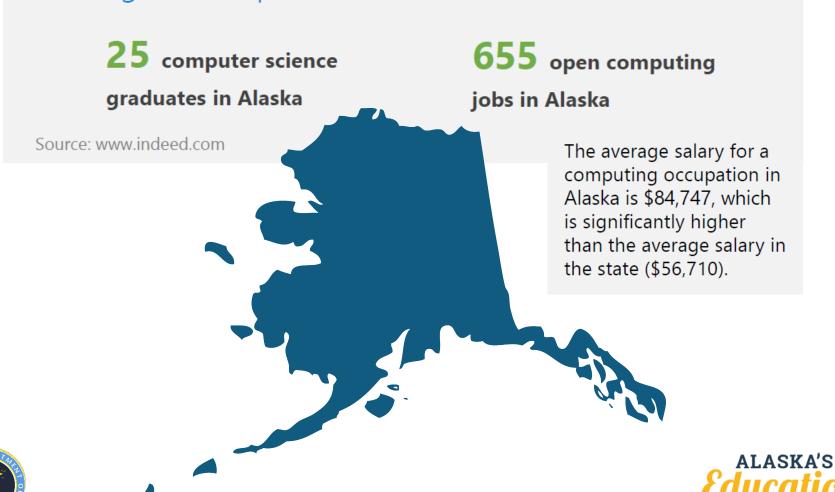








Shortage of Computer Science Graduates





What if....















What if....





















Alaska

655 open computing jobs (2.4x the state average demand rate)

25 computer science graduates

Policy Environment (rubric):

No dedicated state funding for CS PD

Does not require all high schools to offer CS

No K-12 CS curriculum standards

▼ AP Stats

8% of schools teach AP CS 68 AP CS exams were taken last year

25% of them were female 5 were underrepresented minorities

View Alaska fact-sheet

Sources: The Conference Board, National Center for Education Statistics, and the College Board, More info.







What DEED is doing?

Alaska Digital Citizenship Week (Sept)





Educational Technology Coordinator (DEED)

Alaska Week of Code (Dec)



Emerging AK Computer Science Culture





Industry Partnership



AK Computer Science Standards







What you can do?

Support computer science activities in your schools

Talk with your communities about computer science

Supporting an Emerging AK Computer Science Culture

Seek
opportunities
to support
professional
development
and curriculum

Explore computer science yourself!







In the world of technology, lets help Alaskan students be thoughtful creators, not just consumers.







Questions / Comments

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