1. To establish standards of student competencies utilizing current and evolving technologies. (Implement and assess the Alaska Content Standards in Technology.)

2. All staff members will be competent in (assessed appropriately) the use of technology for curriculum delivery, classroom management and instruction, and communication with the home and community.

3. Appropriate technology is integrated throughout the curriculum to support and strengthen students’ overall learning and communication.

4. Every student, teacher, and staff member will have ready, regular, and equitable access to information, technology tools, and software applications.

5. District will obtain and coordinate the use of Assistive Technology in anticipation and fulfillment of students’ needs.

6. There will be district wide coordination and management of technology and training.
Technology Standards (DLCS)

Digital Literacy
- Empowered Learning
- Digital Citizenship
- Knowledge Construction
- Innovative Design
- Computational Thinking
- Creative Communication
- Global Collaboration

Computer Science
- Computing Systems
- Networks and the Internet
- Data and Analysis
- Algorithms and Programming
Computing occupations are the best-paying, fastest-growing, largest source of all new wages in the U.S.
Computers and software are changing everything...
...but many schools still don’t teach computer science

90% of parents want their child to study computer science

51% of high schools offer computer science

Source: Access Report
Some may think:

Computer science is just about learning technology.
Computer science is just about learning technology. Computer science is about logic, problem solving, and creativity.
Technology affects **every** field
Every 21\textsuperscript{st} century student should have a chance to learn about algorithms, how to make apps, and how the internet works.

Just like they learn about photosynthesis, the digestive system, or electricity.
But fundamentally, this what we need to solve...

*Every* child in our district needs the computer science and digital literacy education.
If adopted...

Technology Committee would work to draft a 3-year implantation plan

Year One – Awareness Phase
- All district leaders and teachers understand the rationale for new standards, language, and structure of the Alaska Computer Science Standards and the Alaska Digital Literacy Standards

Year Two – Transition Phase
- Teachers are adjusting instruction to be consistent with the Alaska Computer Science Standards and the Alaska Digital Literacy Standards.
- District has a plan to address curricula, materials, and professional development for implementation of the Alaska Computer Science Standards and the Alaska Digital Literacy Standards.

Year Three – Implementation Phase
- District has aligned curricula and materials to the Alaska Computer Science Standards and the Alaska Digital Literacy Standards.
- District is providing ongoing professional development and monitoring of instruction regarding implementation of the Alaska Computer Science Standards and the Alaska Digital Literacy Standards.
Utilize Resources & Partnerships:

**CODE.ORG COMPUTER SCIENCE**

The collaboration between Code.org, the Alaska Staff Development Network and the Alaska Council of School Administrators is working to expand access to computer science in schools throughout Alaska. [Find out more about the partnership here.](#) Code.org is a national nonprofit that believes that every student should have the opportunity to learn computer science, just like biology, chemistry or algebra.

The Code.org curriculum is the most popular in K-12 computer science, with courses for every grade band. It is used in more than 120 districts, including the 7 largest U.S. districts, and by over 700,000 teachers—including over 700 teachers here in Alaska!

It’s free of charge, highly-rated by teachers, and aligns with the Alaska State Computer Science Standards.
Thank you