



## CCS Computer Science Plan

CCS is preparing a computer science plan because of the Future Ready Iowa Act, [House File 2629](#), which requires all districts to have a computer science plan in place by July 1, 2022. Below is a summary of the requirements for districts, a timeline of when the requirements should be in place, resources, and training available to help districts prepare for next year's deadline.

### A Timeline of Computer Science Plan Milestones and Deadlines:

#### District K-12 CS Plan

- *By July 1, 2022:* All public and non-public districts must have developed and be ready to implement a K-12 computer science plan. Dates for workshops to support districts with their computer science plan will be coming out soon.

#### Required Instruction

- *Starting July 2022:* High schools must begin offering *one-half unit of computer science*. The course may be offered online.
- *Starting July 2023:* Provide computer science instruction aligned to the standards in *at least one grade level* from 1st to 6th.
- *Starting July 2023:* Provide computer science instruction aligned to the standards in *at least one grade level* from the 7th to the 8th.

### The five concepts of Computer Science: Computing Systems, Networks and the Internet, Data and Analysis, Algorithms and Programming, Impacts of Computing.

#### CCS Timeline:

- \*Attend the PLAEA Computer Science Workshop December 2021, Mrs. Coble-Day and Mrs. Larrabee
- \*Teachers begin doing CSfirst coding, bee bots and other computer science enrichment activities within their classrooms, winter-spring 2022
- \*Teachers begin doing research on computer science curriculum, winter-spring 2022, including: CSfirst (google), Seesaw
- \*Computer Science Philosophy approved by SIT and school board, April 2022
- \*Computer Science plan submit to the Department of Education July 1, 2022
- \*Professional Development for teaching staff and the administrator provided by AEA will begin August 2022 and continue throughout the school year to determine staff and school needs, selecting curriculum and enrichment activities, etc.
- \*Review Iowa Computer Science and CSTA K-12 Computer standards and begin to get an understanding of them, August 2022
- \*Teachers take the Computer Science self-paced standards modules through AEA online, August 2022
- \*Select and have approved the Computer Science curriculum spring 2023 that will be used beginning fall 2023