



# K-12 Computer Science Standards Update

VLAC Meeting  
October 20, 2016

# Legislation HB 831

- The Standards of Learning shall include, but not be limited to, the basic skills of communication (listening, speaking, reading, and writing); computation and critical reasoning, including problem solving and decision making; proficiency in the use of computers and related technology; *computer science and computational thinking, including computer coding*; and the skills to manage personal finances and to make sound financial decisions.

# Appropriation

## Supplemental Education Assistance Programs:

- Computer Science Training For Teachers

FY17 \$550,000

FY18 \$550,000

# Work to Date

## Investigation of CS Standards:

- Arkansas
- United Kingdom
- Massachusetts

# Work to Date

## Collaboration with Organizations:

- Computer Science Teachers Association (CSTA)
- K12CS
- Code.org
- CodeVa
- Southern Regional Education Board (SREB)
- Oracle

# Work to Date

## Documents Reviewed:

- Computer Science Teachers Associations (CSTA) 2011 K12 CS standards
- CSTA [Interim Standards](#)
- K12CS Computer Science [Framework](#)

# K12CS Framework

## Development Steered by:

- Code.org
- CSTA
- Cyber Innovation Center
- National Math and Science Initiative
- Association for Computing Machinery
- 100+ advisors from the computing community

# K12CS Framework

## Endorsers:

The K–12 Computer Science Framework is endorsed by many stakeholders in the education, research, and business communities.

<https://k12cs.org/statements-of-support/>



## Fall 2016

- **Develop a Decision Brief and Schedule**
- **Present the schedule to the Board of Education**
- **Provide a platform for public comments**

## Winter 2017

- **Identify members of a Teacher Review Committee**
- **Aggregate and analyze public comments**
- **Begin work with the Teacher Review Committee to draft Computer Science standards**

# Spring 2017

- **Complete a draft of the standards with the Steering Committee**
- **Meet with CS stakeholders and professional organizations**
- **Fine tune draft with the Steering Committee to prepare for a first review with the Board of Education**

# Summer 2017

- **Present the draft standards to the Board of Education for first review**
- **Present the draft standards for public comment**
- **Hold public hearings related to the draft standards**

## Fall 2017

- **Make final revisions to the draft standards with the Steering Committee**
- **The Superintendent of Instruction will present the standards for final review and adoption to the Board of Education**