



K-12 Computer Science Standards Update

VLAC Meeting
April 18, 2017

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

UPDATE- legislation has changed and the funds will be housed with the No. VA Community College

General Work to Date

- Developed a Decision Brief and Schedule
- Presented the schedule to the Board of Education in February 2017
- Created two CS-related VDOE webpages
 - timeline, resources, area for public comment

URLs

<http://www.doe.virginia.gov/instruction/computer-science/index.shtml>

http://www.doe.virginia.gov/testing/sol/standards_docs/computer-science/index.shtml

Superintendent's Memo 036-17

- Announced the schedule of the review process
- Announced the availability of a comment page on VDOE's website for suggestions/feedback on the Computer Science Standards of Learning to be developed;
- Requested that division superintendents share information about the website with instructional staff; and
- Requested that division superintendents nominate members for the Computer Science Standards of Learning Teacher Review Committee

VDOE identified members of the CS Steering and Teacher Review Committees

Advertised by:

- Supt's Memo
- Teacher Direct
- Listserv emails- Tech Directors, Math teachers, CTE teachers
- Recommendations- Directors within VDOE's Division of Instruction: STEM, Humanities and Early Childhood, CTE

The Steering Committee

Ultimate Goals:

- Examine CSTA standards and rate-
yay, nay, or revise
- Examine existing VA Sol for natural
cross-over with CS
- Review the K12CS Framework for
missing standards/areas
- Ultimately, develop draft standards

The Steering Committee

- Grade band teams- K-2, 3-5, 6-8, 9-12
- K-5 = integrated standards
- 6-8 = integrated standards, 1 stand alone elective (year, semester, 6 week versions)
- 9-12 = course standards for LEAs to map to (3 levels)

CS Teacher Review Committee and Steering Committee

May 8-10, 2017

- Analyze statewide webpage input
- Review national and international documents and reports as necessary
- Make recommendations for potential changes

The CS External Committee

May 11, 2017

Members are from educational organizations, colleges/universities, business/industry

- Analyze the draft standards
- Make recommendations for potential changes

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