

Virginia Board of Education Agenda Item



Agenda Item: I

Date: January 26, 2017

Title	Report on the Timeline for the Development of the <i>Computer Science Standards of Learning</i>		
Presenter	Mr. Mark R. Saunders, Director, Office of Technology and Virtual Learning, Division of Instruction		
E-mail	Mark.Saunders@doe.virginia.gov	Phone	(804) 786-0307

Purpose of Presentation:

For information only. No action required.

Previous Review or Action:

No previous review or action.

Action Requested:

No action requested.

Alignment with Board of Education Goals: Please indicate (X) all that apply:

	Goal 1: Accountability for Student Learning
X	Goal 2: Rigorous Standards to Promote College and Career Readiness
	Goal 3: Expanded Opportunities to Learn
	Goal 4: Nurturing Young Learners
	Goal 5: Highly Qualified and Effective Educators
	Goal 6: Sound Policies for Student Success
	Goal 7: Safe and Secure Schools
	Other Priority or Initiative. Specify:

Background Information and Statutory Authority:

Goal 2: The Board of Education’s comprehensive plan calls for a review and revision of all Standards of Learning.

Code of Virginia, Section 22.1-253.13:1-B... “The Board shall seek to ensure that the Standards of Learning are consistent with a high-quality foundation educational program. 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.”

Summary of Important Issues:

HB831, a bill to amend and reenact § 22.1-253.13:1 of the *Code of Virginia*, relating to public elementary and secondary schools; computer science and computational thinking, was approved during the 2016 session of the General Assembly.

Using an established process and criteria, the Department of Education plans a development of *Computer Science Standards of Learning* according to the attached projected timeline (Attachment A - Schedule for the Development of Computer Science Standards of Learning).

Impact on Fiscal and Human Resources:

It is anticipated that the costs associated with updating the Standards of Learning can be absorbed within existing Board of Education and Department of Education resources.

Timetable for Further Review/Action:

None

Superintendent's Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education accept this report.

SCHEDULE FOR THE DEVELOPMENT OF COMPUTER SCIENCE STANDARDS OF LEARNING

January 2017 The Department of Education presents the schedule for the development of proposed *Computer Science Standards of Learning* to the Board of Education.

The Department of Education posts on its website an SOL comment page for suggestions/feedback on the upcoming *Computer Science Standards of Learning* to be developed. The page will be active for 30 days.

A Superintendent's Memorandum is distributed that:

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

The Department of Education identifies members of the Steering Committee.

The Department of Education and the Steering Committee meet to develop draft *Computer Science Standards of Learning* for public review and comment.

February 2017 The Department of Education identifies members of the Teacher Review Committee.

The Department of Education aggregates and conducts a preliminary analysis of the comments entered on the webpage.

March 2017 The *Computer Science Standards of Learning* Teacher Review Committee meets to:

- analyze statewide webpage input;
- review national and international documents and reports as necessary; and
- make recommendations for potential changes.

April 2017 The Department of Education prepares a draft of the proposed *Computer Science Standards of Learning* that reflects the Teacher Review Committee's comments.

The Department of Education and computer science stakeholders and professional organizations that focus on computer science meet to discuss and review the draft of the proposed *Computer Science Standards of Learning* that reflects the Teacher Review Committee's comments.

May 2017 The Department of Education and the steering committee meet to discuss and review the draft of the proposed *Computer Science Standards of Learning* for first review by the Board of Education.

June 2017 The Department of Education presents the draft of the proposed *Computer Science Standards of Learning* document to the Board of Education for first review.

July 2017 The proposed *Computer Science Standards of Learning* document is distributed for public comment. The document is placed on the Virginia Department of Education's website for review.

August 2017 Public hearings are held as prescribed by the Board of Education.

September 2017 The Department of Education and the steering committee meet to discuss and review public comments and make final revisions to the draft of the proposed *Computer Science Standards of Learning*.

October 2017 The Superintendent of Public Instruction presents the proposed *Computer Science Standards of Learning* to the Board of Education for final review and adoption. The final document is posted on the Department of Education's website.