



STATE OF HAWAII  
DEPARTMENT OF EDUCATION  
P.O. BOX 2360  
HONOLULU, HAWAII 96804

**Date:** 01/31/2018  
**Time:** 02:45 PM  
**Location:** 229  
**Committee:** Senate Education

**Department:** Education

**Person Testifying:** Dr. Christina M. Kishimoto, Superintendent of Education

**Title of Bill:** SB 2384 RELATING TO EDUCATION.

**Purpose of Bill:** Requires the department of education to develop a comprehensive plan to integrate design thinking and coding in middle, intermediate, and high school curriculums. Requires the department of education to submit the plan to the legislature prior to the regular session of 2019.

**Department's Position:**

The Department of Education (Department) supports the intent of SB 2384.

Currently, the Department is developing a multi-year comprehensive computer science plan. This plan includes implementation dates, benchmarks and strategies to integrate design thinking through the Science Technology Engineering Math (STEM) program and to identify coding curricula through the Computer Science (CS) program. STEM and CS program leads are collaboratively exploring additional ways to blend design thinking strategies within other computer science areas (e.g., computing systems, networks and the internet, data and analysis, algorithms and programming, and impacts of computing).

To ensure equitable and expanded access to computer science learning opportunities for K-12 students by 2022, the Department is addressing the following eight deliverables:

Adoption of Computer Science Standards aligned to national efforts,  
Development of single courses and pathway courses for maximum student access,  
Identification of standards-based curricular resources,  
Quality K-12 professional development in computer science including fellowships and externships for teachers,  
A schedule of academic competitions in partnership with business, industry and government,  
Expansion of regional and school-based student demonstrations,  
Increased partnerships for access to meaningful internship and apprentice models, and  
Improved career counseling and information sharing around current and emerging computer science related work and study opportunities in Hawaii.

During Spring 2018, the Department will solicit internal and external stakeholder feedback on the draft computer science plan.

Thank you for this opportunity to provide testimony on SB 2384.

The Hawaii State Department of Education seeks to advance the goals of the Strategic Plan which is focused on student success, staff success, and successful systems of support. This is achieved through targeted work around three impact strategies: school design, student voice, and teacher collaboration. Detailed information is available at [www.hawaiipublicschools.org](http://www.hawaiipublicschools.org).