



Update/Discussion on Common Core Digital Curriculum (CCDC) Pilot Project

Hawaii State Board of Education
Student Achievement Committee
November 5, 2013



Basis for CCDC

2013 Legislature

- Appropriated \$8,219,659 for FY 2013-2014
- To undertake a 1:1 pilot projec
- Pilot must be implemented by June 2014
- Devices must be purchased vs. leased
- Questions regarding DOE's ability to implement;
burden on teachers; impact on implementation of
Common Core State Standards



Project Team

- Office of Strategic Reform:
 - Project management
- Office of Information Technology Services:
 - Technology, infrastructure, devices
- Office of Curriculum, Instruction and Student Support:
 - Professional development



CCDC Goals

- Support mastery of Common Core State Standards
- Improve and increase technology use to support learning
- Identify best practices to inform work across the State



CCDC Goals

Support DOE Strategic Plan Objectives:

- 1A: All students are engaged and ready to learn
- 1B: All students are gaining the academic skills to succeed on the K-12 pathway and throughout their lives
- 3A: DOE facilities and technology systems meet 21st Century education needs and standards in a fiscally responsible and innovative way



CCDC Overview

- 8 pilot schools participating:
 - Big Island: Keaau Elementary & Pahoia Elementary
 - Oahu: Mililani Mauka Elementary, Mililani Waena Elementary, Moanalua Middle, Nanaikapono Elementary, Nanakuli Elementary, Nanakuli High & Intermediate
- Schools chosen based on:
 - Infrastructure readiness
 - Built in IT support
 - Staff readiness and commitment

Timeline

Event	Date
Funds became available	July 2013
Initial meeting with all schools at ELI	July 2013
Purchases of devices and PD finalized	August 2013
Kick-Off webinar held with schools	August 2013
Teacher and student devices deployed at Keaau and Pahoia	Late August 2013
Oahu teacher devices deployed	Sept - Oct 2013
PD sessions conducted (1 st semester)	Sept - Dec 2013
Evaluation activities conducted*	Sept 2013-June 2014
Oahu student devices imaged	Nov - Dec 2013
Oahu student devices rolled out	January 2014

*Reports to be provided in December 2013/January 2014 and May 2014.

Budget

- Appropriation of \$8,219,659
 - Apple devices and equipment: \$7.85 m.
 - Avg cost: \$824 for Macbook, \$491 for iPad
 - Other costs include charge carts, support and maintenance, adapters, Apple PD, software and professional services
- Cost items NOT paid from appropriation:
 - Mobile device management software: \$450,000
 - Professional development with CRDG: \$600,000
 - Staff time for the majority of HIDEOE team
 - Technical assistance via third-party contractors
 - Space for device imaging, when unavailable at the school



Devices

- To provide schools with flexibility and autonomy, schools were asked to identify a preference:
 - Laptop vs. tablet
 - Mac vs. PC
- All schools chose Macbook Air laptop except Mililani Mauka (iPads for kindergarten)
- Purchased devices (vs. lease) due to funding requirement
- Existing procurement pathways used due to funding time constraints (Apple sole source, WSCA)



Software

- School choice: multiple software strategies (Office, Apple, Google Apps for Education, etc.)
- Base image on all devices:
 - Mobile management device software (with Computrace)
 - Chrome browser
 - Bookmarks to eSIS (teachers only), HSA, and either McGraw Hill Wonders or College Board Springboard
 - School-specific image layer (any licensed software purchased by the school)
- Apple iWork software



Digital Curriculum

- Schools required to implement ELA digital curriculum as part of the pilot:
 - McGraw-Hill Wonders (K-5)
 - College Board SpringBoard (6-12)
- Digital curriculum was vetted by teams of teachers and state staff from across the state and approved by complex area superintendents
- No math digital curriculum at this time



Professional Development

- Apple: Macbook/iPad 101
- McGraw-Hill & College Board: Digital curriculum
- UH CRDG:
 - Internet safety, good citizenship education
 - Google Apps for Education
 - PDE3 Pillars courses for teachers and tech coordinators
 - Teaching Common Core
- OCISS: Wiki-wiki tech sessions, on demand support for technology integration
- Other: HELS Conference, Microsoft Experience



Good Digital Citizenship

- Security controls:
 - DOE filter
 - No admin rights
 - Possible additional controls for take-home
- Education program:
 - CRDG PD on educating teachers, students and parents about internet safety and digital citizenship
 - Principals/Teachers Handbook and Runbook
- Digital device use policy (DDUP)
- Disciplinary action:
 - Enforcement pursuant to Ch. 19, disciplinary rules



Evaluation

- Dr. Jonathan Schwartz hired as evaluator
- Research questions:
 - Impact on student learning
 - Impact on the classroom
 - Laptop usage
 - Obstacles and lessons learned
- Interviewing public and private schools with pre-existing 1:1 programs
- Assessing extent of teacher burden
- NOT evaluating a particular platform, device, or software



Lessons Learned (so far)

- Longer planning and implementation horizon
- Importance of additional tech resources at admin and school levels
- Need for long term hands-on professional development