

California Common Core Technology Scope & Sequence

Lompoc Unified School District – (Planning Draft-1-March 4th, 2014)

A. School sites current technology status

1. Networks and wireless
 - a. Wide Area Network and Local Area Networks
 - b. Classroom cabling and data ports
 - c. Wireless networks
2. School sites computer device status

B. Proposed plans for implementing Common Core Technology State Standards

1. Grades K-2 classroom technology scenarios
 - a. One computer classroom scenario
 - b. Five computer pod classroom
 - c. 2:1 student to computer ratio
2. Grades 3-5 classroom technology scenarios
 - a. One computer classroom scenario
 - b. Six computer pod classroom
 - c. 2:1 student to computer ratio
3. Grades 6-8 technology scenarios
 - a. One computer classroom scenario
 - b. Eight computer classroom
 - d. 2:1 student to computer ratio
4. Grades 9-10 technology scenarios
 - a. One computer classroom scenario
 - b. Eight computer classroom
 - c. 2:1 student to computer ratio

C. Common Core Technology assessments and SBAC

D. Needed support for implementation plan roll out

1. Professional development
2. Infrastructure preparations and on-going support
3. Logistical support
3. Systems technical support

E. Sequence, time scale, and costs for Common Core Technology roll out

Appendices

A. *School sites current technology status*

Task 1a: Paul Coski, (Resources: Edmund Hung, Stan King)

Need to add figures illustrating district's Wide Area Network (WAN) and a typical Local Area Network (LAN) at a school site.

Task 1b: Paul Coski, (Resources: Edmund, Hung, Stan King, Sean Campbell)

Also need figures illustrating typical classroom cabling and data ports locations in a classroom.

Task 1c: Paul Coski, (Resources: Edmund, Hung, Stan King, Sean Campbell)

Need figures illustrating current wireless networks of equipped schools. Get maps of schools showing current wireless layouts and access point locations.

Also need data tables showing schools with wireless and extent of coverage assign a numerical scale for level of security of existing systems, age, and plans for upgrades, type (a, g, n?) and schools currently without.

Task 2: Judi Denton, Gloria Garcia, Jamie Burns (Resources:)

Need data table and possibly pie charts showing current computer status of each school site. Needs to be in format so non-technical teachers can at a glance understand computer status of each campus.

B. *Proposed plans for implementing Common Core Tech. Standards*

Task 1: Tonya Johnson, Lynette Martin (Resources: Matt Zuchowicz, Common Core Technology Links at www.ttt.vmsteacher.org)

Need to add figures illustrating possible classroom layouts with technology for each of the above scenarios.

Task 2: Tonya Johnson, Leslie Wagon seller, Terry Whaley
(Resources: Matt Zuchowicz, Common Core Technology Links at
www.ttt.vmsteacher.org)

Include Technology levels: Introduced, Reinforced and Mastered in each scenario

Task 3: Tonya Johnson, Tori Blossom, Gloria Garcia (Resources:
Matt Zuchowicz, Common Core Technology Links at
www.ttt.vmsteacher.org)

Include computer lab time where needed, but try and fulfill as much of the standards as possible in the classroom for part b, and c in above scenarios

C. Common Core Technology formative assessments and SBAC

Task 1: Diane Burton, Carmen Chavez, Larry Boone, Jeff
Wagon seller, Michael Flushman, Kim McCollum, (Resource: Terri,
Moore)

Discuss different configurations that formative assessments can be taken (pods, group assessments, pairs, etc.). Use bullets and/or tables.

Research and present some formative assessment software packages that provide clear, easy to understand feedback to teachers and students and seamlessly integrate with Zangle for transferring student scores to Zangle gradebook.

Task 2: Joel Jory, (Resource: Art Diaz)

Also, discuss 2015 SBAC testing needs of 1:1 and using a combination of computer labs and mobile labs. Provide table with campus name, student numbers, number of devices required for smooth 2015 SBAC testing experience, estimated 4 hour testing period (2 x 2hr blocks, breaks, transitions, etc.).

Task 3: Joel Jory, Diane Burton, Carmen Chavez, Larry Boone, Jeff Wagonseller, Michael Flushman, (Resource: Art Diaz)

Provide ideal SBAC 2015 testing scenario for elementary, middle school & high school settings. Develop mock classrooms (A, B, C, etc.), or bring along an existing classroom list for a high school, middle school and elementary, then develop test rotation scenarios and determine number of days realistically needed for testing.

Task 4: Leslie Wagonseller, Lore Desmond, Kim McCollum (Resource: Terri Moore)

Provide a preliminary list of possible “learning management systems” that will work with Zangle/Aequitas Solutions and reinforce SBAC testing/technology handling skills. It needs to provide safe student collaboration, ability to upload and download files at school and home, ability for teacher to upload teaching videos, notes, to groups of students and individuals. Needs to interface with formative assessment software and seamlessly work with Zangle/Aequitas Solutions.

D. Needed support for implementation plan roll out and ongoing

Task 1: Linda Hogan, Tahra Lopez (Resources: Carolina Allen, Ellen Ralston, Vicki Murray)

Discuss initial professional development plus observational coaching and follow-up visits, etc. Organize in tables & use bullet items to minimize words and effectively communicate.

Task 1a: Judi Denton, Scott Wilson (Resources:)

Also, discuss management of mobile devices to insure longevity and care of equipment.

Task 2: Paul Coski (Resources: Edmund Hung, Sean Campbell, Stan King)

Need discussion of proposed installation schedule of wireless networks. Show information table format with bulleted items where warranted.

Include campuses, proposed completion dates, figures illustrating typical layout.

Task 3a: Paul Coski, (Resources: Edmund Hung, Jim Reizer, John Yeatman, Tuan Nguyen, Sid Haro)

Talk about needed computer desks, chairs, power outlets, carts, charging laptops, security issues.

Task 3b: Paul Coski, (Resources: Edmund Hung, Jim Reizer, John Yeatman, Tuan Nguyen, Matt Zuchowicz, Sid Haro)

Discuss best technology, purchasing and installation priority of ceiling mounted projectors or LCD flat screens and touch boards. Plan on one projector/flat screen per classroom plus one for every computer lab

Task 3c: Paul Coski, (Resources: John Yeatman, Tuan Nguyen, Jim Reizer, Sid Haro)

Provide timeline for needed electrical wiring, for added ceiling mounted projectors and associated cabling, additional computers and touch boards, etc. Also, discuss if possible to accomplish in a reasonable time frame if done in-house or need to higher out and ROM costs to sub out.

Task 4a: Judi Denton, Terry Whaley (Resources: Stan King, Ron Stoddard, Sean Campbell)

Need to discuss and show data for ratio of computers to maintenance technicians to keep equipment and software functioning and repaired in a timely manner. Perhaps site tech mentor teachers can help support.

Task 4b: Judie Denton, Terry Whaley (Resources: Edmund Hung, Jim Reizer, Sid Haro)

Look into costs for buying Complete Care service contracts for computer devices so manufacturer will do much of the repairs for the first 3 to 5 years.

E. Sequence, time scale, and costs for Common Core Tech roll out

**Task 1: Michael Flushman, Diane Burton, Jeff Wagon seller
(Resources: Sid Haro, Trevor McDonald, Laura-Lee Parks)**

Provide tables and flow charts showing time sequence and costs.

Resources:

For listing of all key resource links go to www.ttt.vmsteacher.org and click on Common Core Technology Links. Below are some key links.

http://www.lbschools.net/Main_Offices/Curriculum/Areas/Technology/docs/Common_Core/CCSS%20K-12%20Technology%20Scope%20and%20Sequence.pdf

<http://commoncore.fcoe.org/sites/commoncore.fcoe.org/files/resources/SPIRAL%20FINAL.pdf>

http://commoncore.fcoe.org/sites/commoncore.fcoe.org/files/resources/FCOE_TechSkills_Flowchart_2012.pdf

<http://www.iste.org/docs/pdfs/nets-s-2007-student-profiles-en.pdf?sfvrsn=4>

http://www.iste.org/docs/pdfs/20-14_ISTE_Standards-S_PDF.pdf