

A photograph of several young students sitting at a long desk in a computer lab, working on desktop computers. The students are focused on their screens, and the room is brightly lit with large windows in the background.

Blended Learning

Clark County School District
Innovative Teaching and Learning Unit
Innovative Learning Environments
August 2015

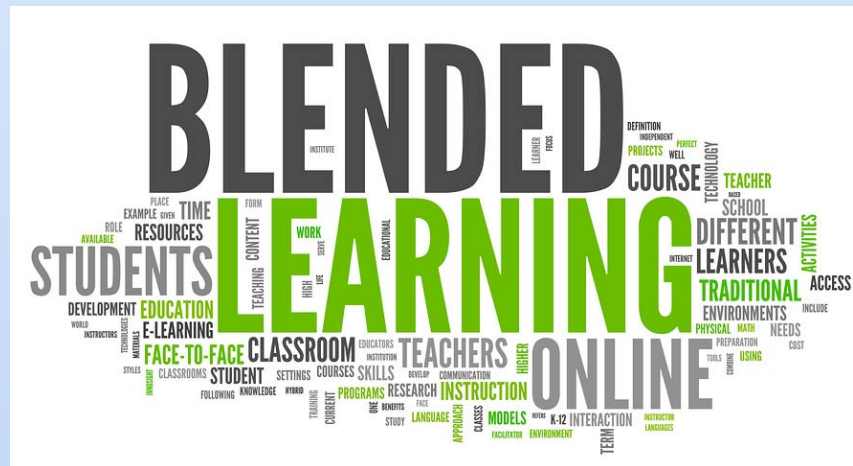
Presentation Overview

Define Blended Learning

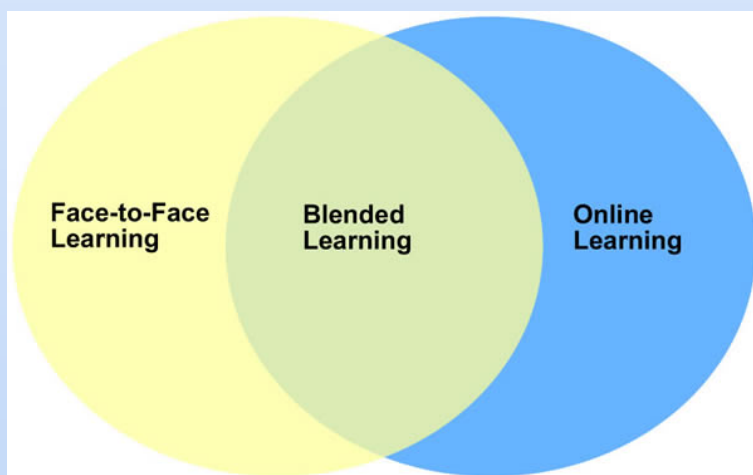
Outline Foundational Components
Needed to Implement

Review Blended Learning in CCSD

Preview Potential Next Steps in
CCSD



Defining Blended Learning



*Clayton Christensen Institute, 2015²

A formal education program in which a student learns:

1. At least in part through online learning with some element of student control over time, place, path, and/or pace.
2. At least in part at a supervised brick and mortar location away from home.
3. And the modalities along each student's learning path within a course or subject are connected to provide an integrated learning experience.

Is it Blended Learning?

No

Zoe attends a full-time virtual school

Angel rotates in class between online and small-group instruction

Yes

No

Robert plays Minecraft after school with his friends

Andrew does some of his math online in the tech lab, some in class

Yes

Yes

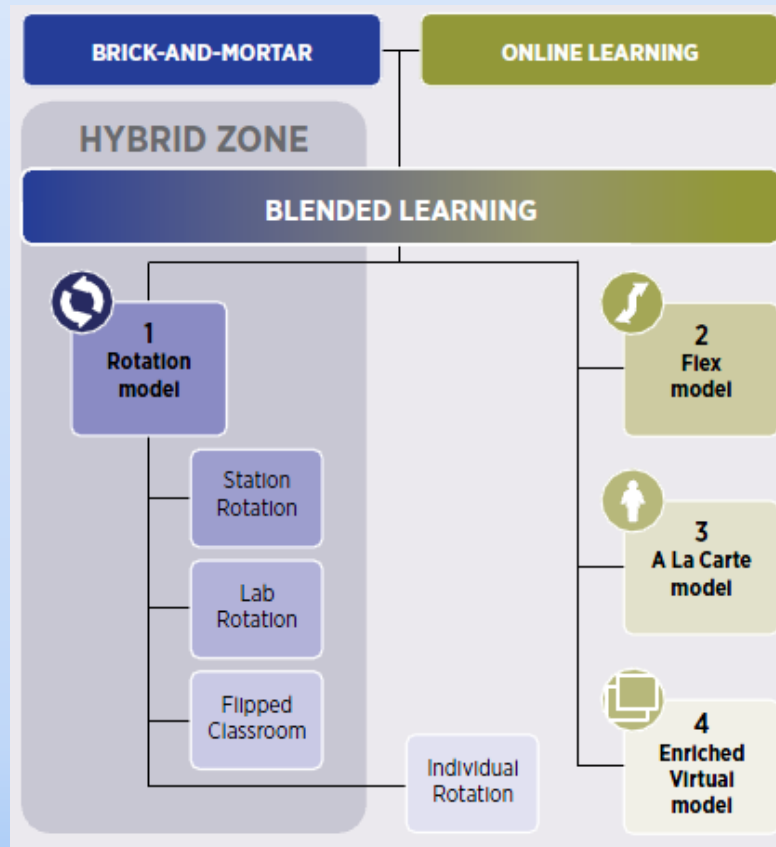
Anna takes an online course with the help of an on-campus face-to-face guide

Marcos uses Microsoft Word and Excel in his traditional, face-to-face class

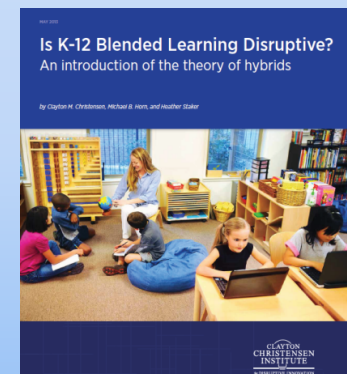
No

Adapted from the Clayton Christensen Institute

Blended Learning Models



- Recently re-classified by Clayton Christensen Institute into “Hybrids” and more transformational models



Why Blended Learning?

Flexibility for students to control their own learning

Enhanced learning^{3,4}

Increased engagement

Improved use of existing school space

Enhanced Return on Investment^{5,6}

College & Career Readiness

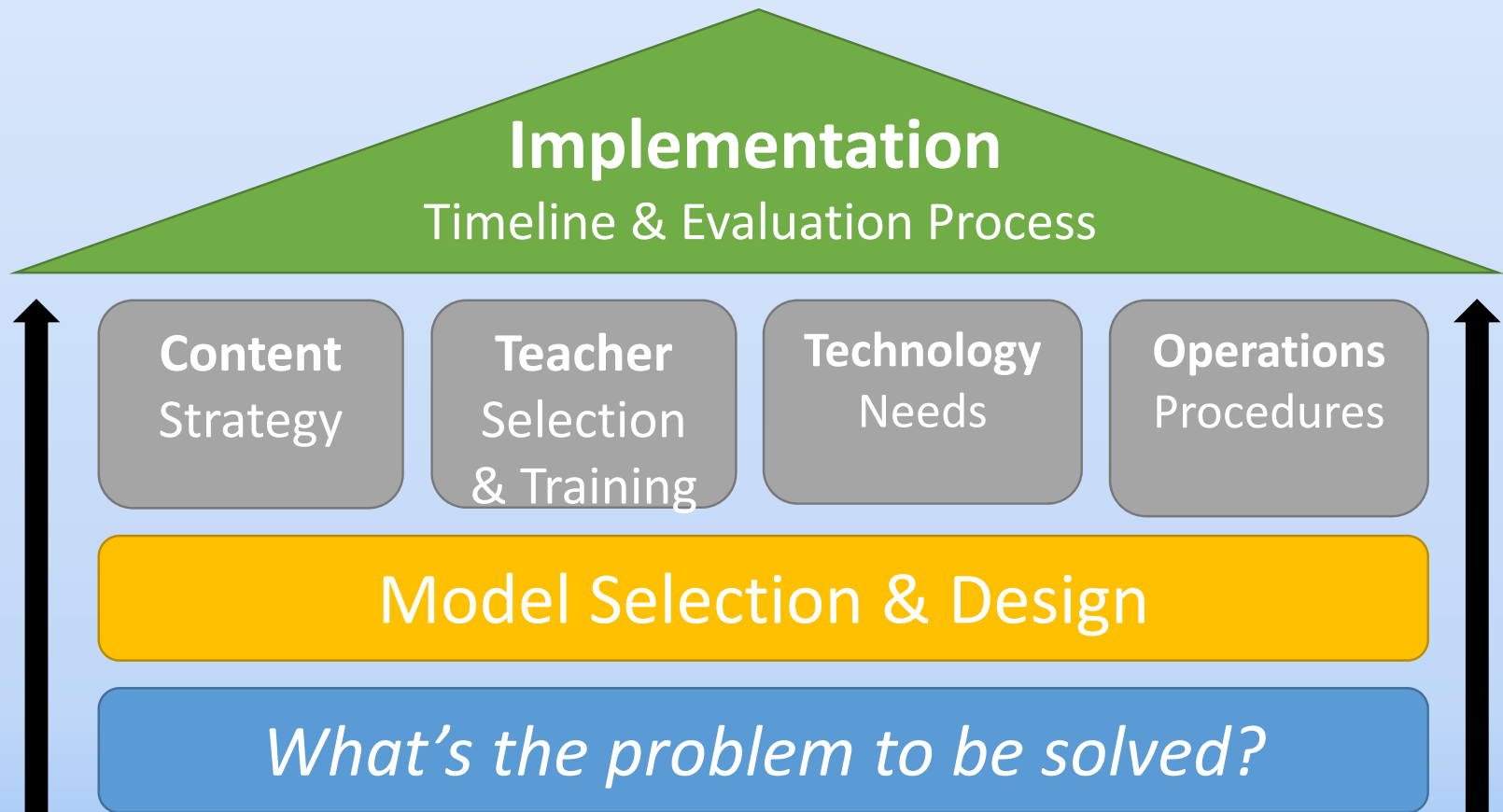


100,000 Students in Online & Blended Learning



- Charge in 2011 for more blended learning
- Set goal in 2012 of 100,000 students by 2015-2016 school year
- Expand opportunities for blended learning
- Innovative Teaching & Learning Unit
 - Innovative Learning Environments (2012)

Building a Strong Foundation⁷



Identify the Problem to be Solved

Give students control over pacing of learning and complete cooperative project-based assessments.

Leverage online learning to provide small-group instruction and intervention.

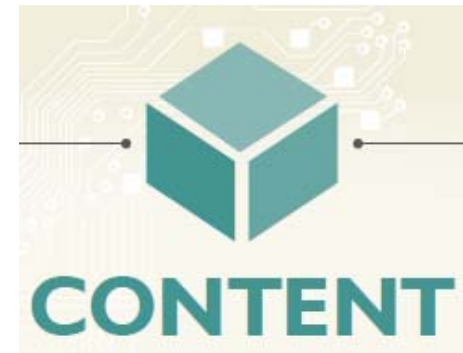
Increase graduation rate of highly transient, credit deficient Juniors and Seniors.

Ensure all students have access to the best teachers.

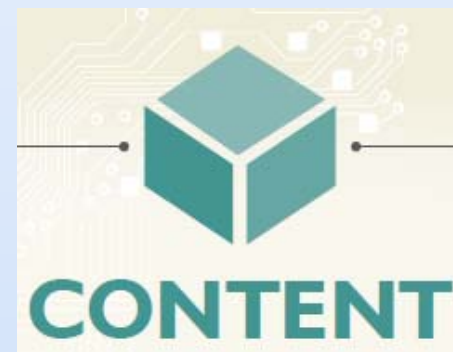


Content

- Build
- Buy
- Lease
- Or mix



Purchased Content



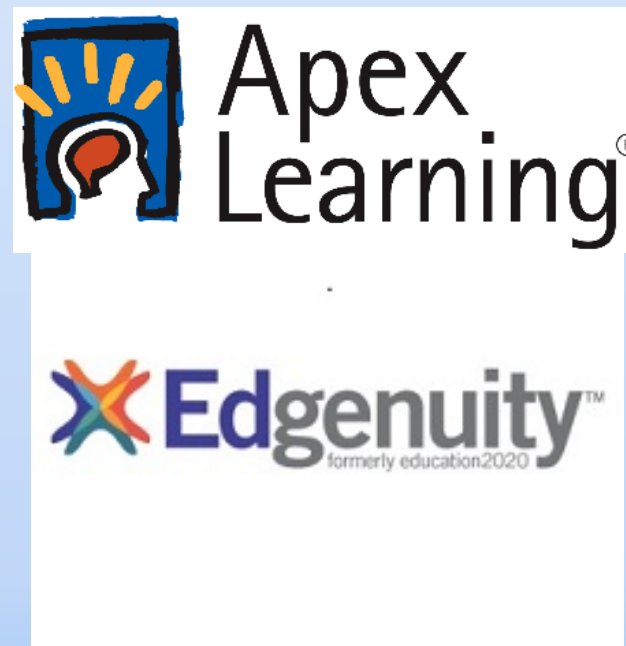
Spring 2014 RFP

- Original credit
- Credit retrieval

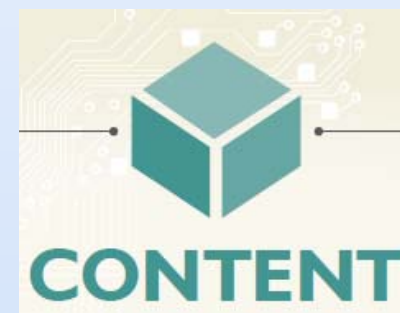
39 High Schools used Apex Learning in the 2014-2015 school year

12 Middle Schools used Edgenuity in the 2014-2015 school year

Increased Return on Investment



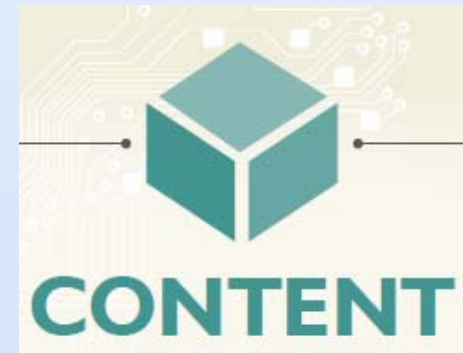
District-Built Content



Planned Development 2016-17	In Development 2015-16	Ready for Pilot	Piloted & Deployed	Existing courses needing revision
<ul style="list-style-type: none"> • Science 7 • Science 8 • Geoscience • PE 6 • PE 7* • PE 8* • U.S. Government 12 • U.S. Government 12 H • English 11* • English 11 H • English 12* • English 12 H • Geometry* • College Prep. Math. 12 	<ul style="list-style-type: none"> • Algebra I* • Algebra II • English 9* • English 9 H • English 10* • English 10 H • Science 6 • Biology • World Geo 8 • U.S. History 11 • U.S. History 11 H 	<ul style="list-style-type: none"> • English 6 • English 6 ACC • English 7 • English 7 ACC • English 8 • English 8 ACC 	<ul style="list-style-type: none"> • Math 6 • Math 6 ACC • Math 7 • Math 7 ACC • Pre-Algebra • Health 8 • US/NV History 7 • US/NV History 7 ACC • Computer Literacy (1 semester) 	<ul style="list-style-type: none"> • Algebra I • Geometry H • Health • Driver Ed. • World History • World History H

*Indicates existing course requiring complete revision

Teacher-Built Content



Canvas Color Book

Canvas Basics

Canvas “Guide on the Side”

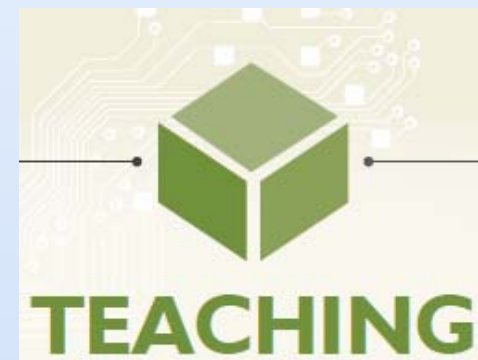
Canvas Webinars

Canvas Professional Development
Education



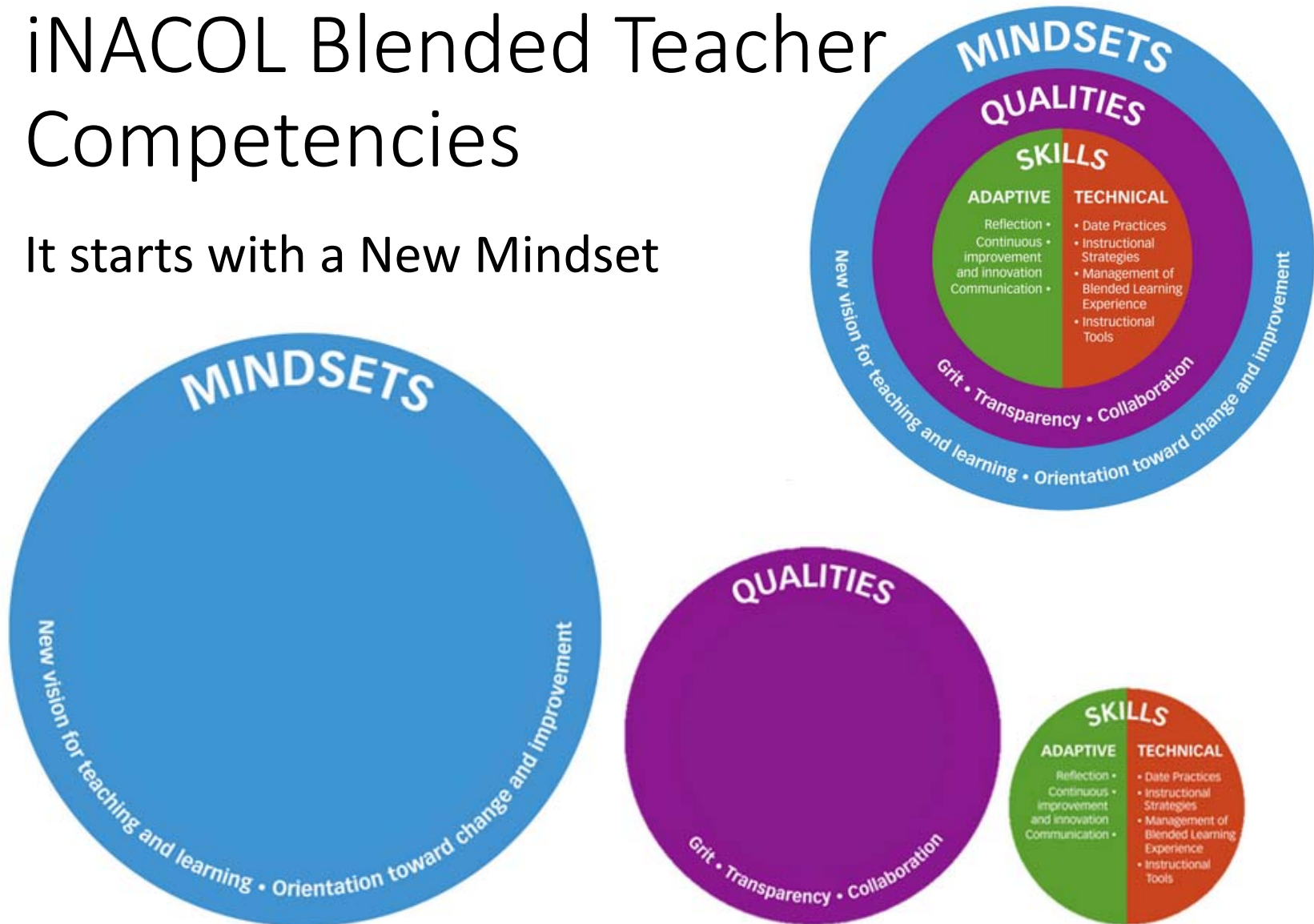
People: Teacher Selection & Training

- Blended PDE courses
- iNACOL Teaching Standards for Quality Online Teaching
- iNACOL Blended Learning Teacher Competencies
- Tier I (required)
 - Foundational courses
 - Philosophy
- Tier II (choice)
 - Emphasis courses
 - Tools & design courses



iNACOL Blended Teacher Competencies

It starts with a New Mindset



15


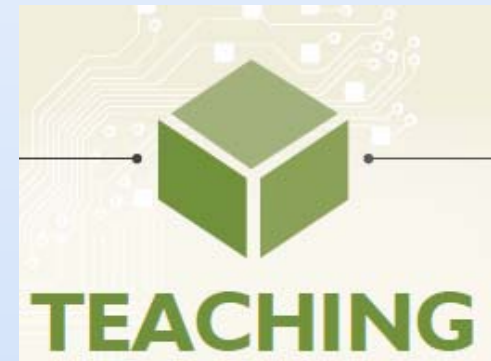
People: Administrator Training

Series of Mini-Courses:

1. Blended Learning in the Digital Age
2. Strategic Planning for Blended Learning Environments
3. Evaluating Blended Learning Programs for Success (in development)

Administrator workshops

- Spring & summer



Blended Learning Courses For Administrators

Blended Learning for Administrators is a series of online mini-courses designed specifically for school administrators who are interested in exploring online and blended learning options for their buildings. Through the series, site administrators will be asked to think about preparation, best-practices, implementation, and evaluation when designing effective blended learning programs that integrate with standards-based curriculum and their school goals.

The series contains **three online mini-courses** (approx. 5 hours each):

- Course 1: *Blended Learning in the Digital Age*
- Course 2: *Strategic Planning for Blended Learning Environments*
- Course 3: *Evaluating Blended Learning*

Course 1 Now Available in Pathlore

Course 1
Blended Learning in the Digital Age
This first course in the series will introduce the concept of blended learning. Numerous examples of the various models that have evolved over the past few years are explored.

Come see how others are incorporating online and blended learning into their buildings.

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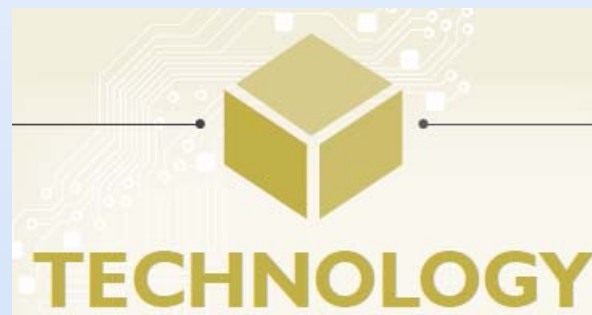
Technology

- **Interoperability**

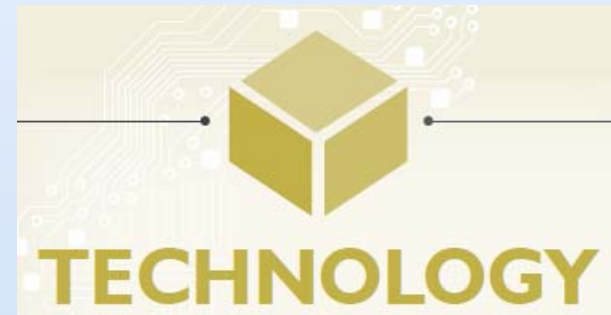
- Integration between Canvas Learning Management System (LMS) and Infinite Campus Student Information System (SIS)
 - Course rostering
 - Gradebook passback
 - Online registration

- **Tech Tools**

- Google Apps for Education



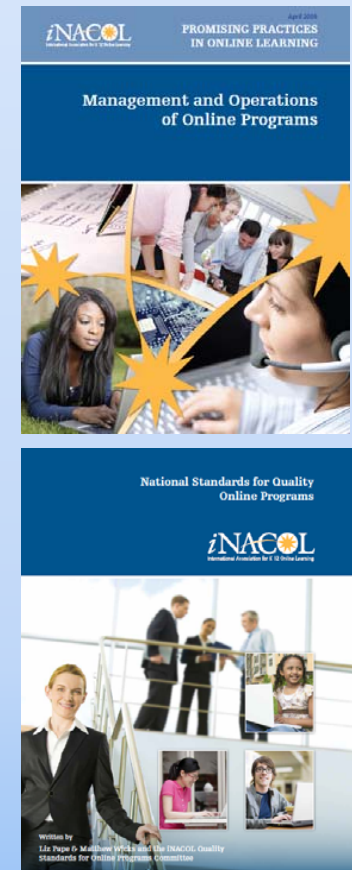
Technology



- Student access to devices
- Network connectivity
 - LAN
 - Wi-Fi
- Accessories
- Furniture
- Power, charging, & storage of devices

Operations

- Assist schools in planning
 - Counseling
 - Enrollment and operations
 - Technical support
 - Academic support
 - Learning centers
- Budget
- Communication to families and community
- Strategic planning process
- Student recruitment



Examples of Blended Learning in CCSD High Schools

- Apex for Credit Retrieval
- Apex for Original Credit
- Las Vegas HS Aspire Academy
- Mojave HS Academy
- Online/Blended Canvas Courses
 - Health: Durango, Valley, Virgin Valley, Coronado



Examples of Blended Learning in CCSD Middle Schools

- Burkholder MS & Johnson JHS
- Brinley MS Flex Academy
- Edgenuity for Original Credit
 - Silvestri JHS, Sawyer, Canarelli, Garside, Harney, KO Knudsen, Mack, Lied*
- District-developed Canvas
 - Computers: Hyde Park, Molasky, Brinley, Sawyer*, Sandy Valley*
 - Health 8: Garside, Sawyer*



*New for 2015-16

Examples of Blended Learning in CCSD Elementary Schools

- Ries ES
- Griffith ES
- Wallin ES



Nevada Learning Academy at CCSD

- Full-Time Enrollment
 - HS: 728
 - MS: 25
- Part-Time Enrollment
 - HS: 4,799
 - MS: 388
- Credit-By-Exam
 - 782 enrollments
- Summer 2015
 - 12,327 enrollments (largest summer-school site)



CCSD By the Numbers



Next Steps in CCSD

- Pilot schools as proof of concept
- Full rollout of Canvas Learning Management System
 - expansion of District-developed courses
- Expanded use of Apex Learning
 - beyond credit recovery
- Google Apps for Education



Thank you!



References

1. Watson, J. F., & Kalmon, S. (2005). Keeping pace with K–12 online learning: A review of state-level policy and practice. Naperville, IL: Learning Point Associates. Retrieved on August 4, 2011 from http://www.learningpt.org/pdfs/tech/Keeping_Pace2.pdf
2. Clayton Christensen Institute (2015). Available at <http://www.christenseninstitute.org/key-concepts/blended-learning-2/>
3. WestEd, ST Math Evaluation, available at <http://www.wested.org/resources/stmathevaluation2014/>
4. Hybrid Learning Institute, Summary Report for Academic Year 2013-2014, available at <http://www.pahli.org/wp-content/uploads/2013/12/HLI-Program-Results-2013-14-Summary-Report-12-3-141.pdf>

References Continued

5. Education Week, Spotlight on Blended Learning, available at <http://www.edweek.org/ew/marketplace/products/spotlight-on-blended-learning.html>
6. *Project RED* (2010). Thomas Greaves et al. The technology factor: Nine keys to student achievement and cost-effectiveness.
7. Planning For Quality (2014). Evergreen Education Group. Available at <http://evergreenedgroup.com/>

Clark County School District

Online & Blended Learning Enrollments in 2014-15:



46,957

Number of students taking an online/blended course



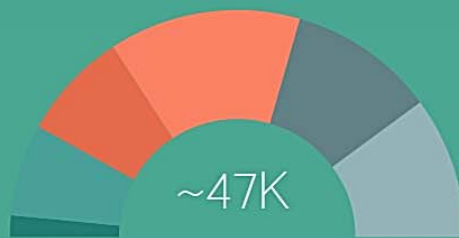
114,131

Course enrollments in online/blended courses



25,028

Course enrollments in the Nevada Learning Academy at CCSD (NVLA)



Number of students

- District-Developed (3%)
- NVLA (13%)
- NVLA Summer (15%)
- ApexLearning (27%)
- CompassLearning (21%)
- Edgenuity (20%)

District-Developed and NVLA semester courses utilize Canvas LMS

Growth of Online/Blended Learning in CCSD

31%



Year-to-year growth in participating CCSD students

12%



Year-to-year growth in NVLA Summer School enrollments

100,000



Goal for number of students in online/blended learning by 2015-16

Revised July 7, 2015
Innovative Learning Environments