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# **Choice & Innovation Subcommittee**

**Thursday, September 17, 2015**

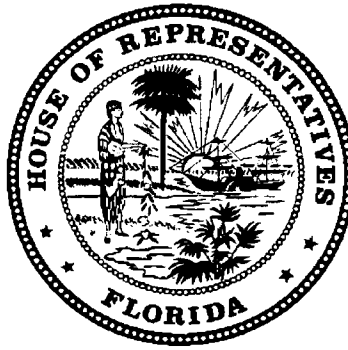
**3:00 PM – 5:00 PM**

**306 HOB**

**Meeting Packet**

**Steve Crisafulli  
Speaker**

**Manny Diaz  
Chair**



## AGENDA

Choice & Innovation Subcommittee  
Thursday, September 17, 2015  
3:00 PM – 5:00 PM  
306 HOB

- I. Call to Order/Roll Call
- II. Welcome/Opening Remarks
- III. Presentation on Micro Schools and Blended Learning:
  - Michael Horn, Co-Founder & Executive Director, Education Clayton Christensen Institute
- IV. Presentation on Massive Open Online Courses ( MOOCs)
  - Dr. Jesse Coraggio, Associate Vice President, Research and Grants, St. Petersburg College
  - Dr. David Shulman, Campus President for Broward College Online
- V. Closing Remarks and Adjournment



# Blended

*Using Disruptive Innovation to Improve Schools*



Michael B. Horn | [mhorn@christenseninstitute.org](mailto:mhorn@christenseninstitute.org) | [@michaelbhorn](https://twitter.com/michaelbhorn)

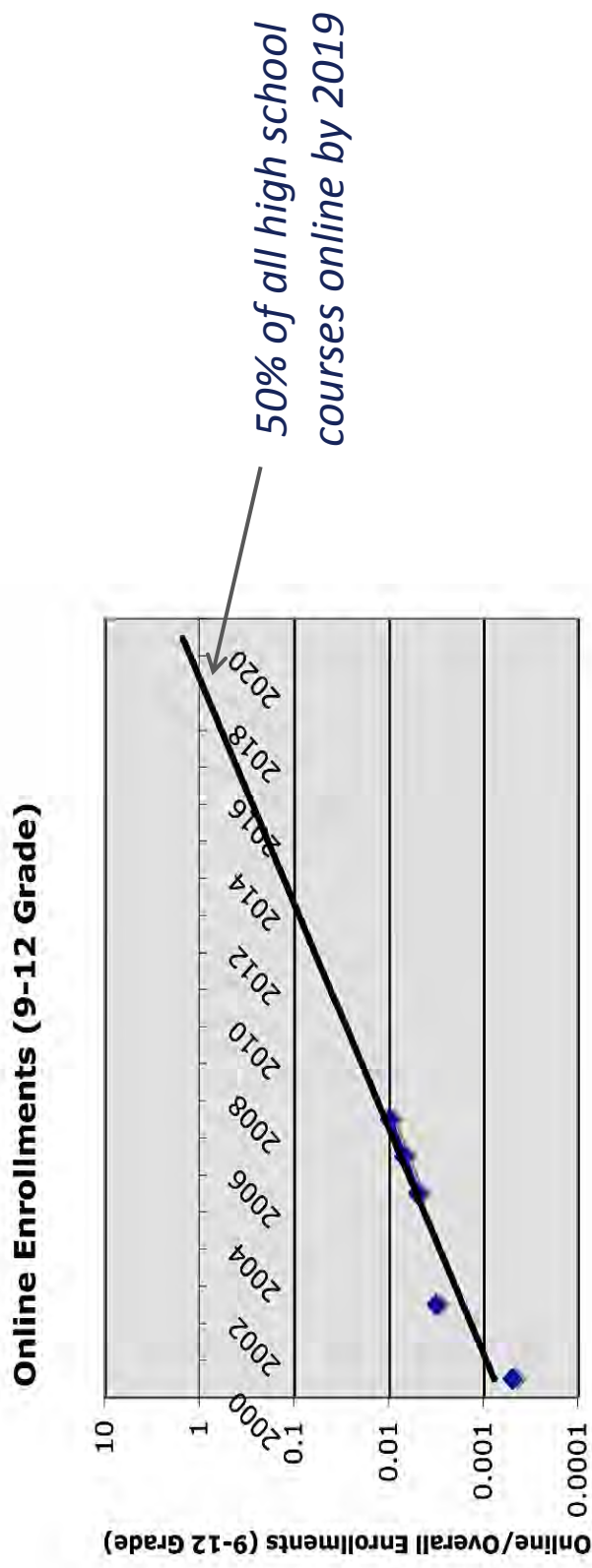
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# The growth of online learning



# Online learning is gaining adoption

Substitution calculation indicates online learning is growing disruptively



# The rise of K-12 blended learning

## Definition of blended learning



A formal education program in which a student learns at least in part through **online learning**, with some element of student control over time, place, path and/or pace



at least in part in a **supervised brick-and-mortar location away from home** (such as school).



The modalities along each student's learning path within a course or subject **are connected to provide an integrated learning experience.**

# Blended Learning is not...

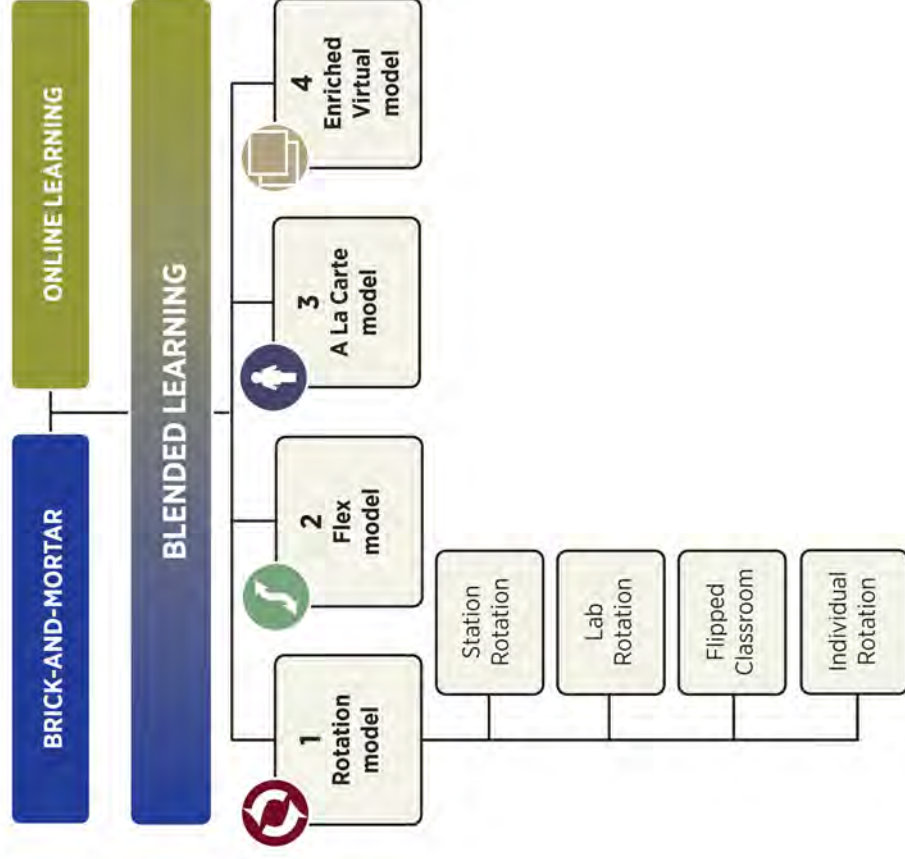


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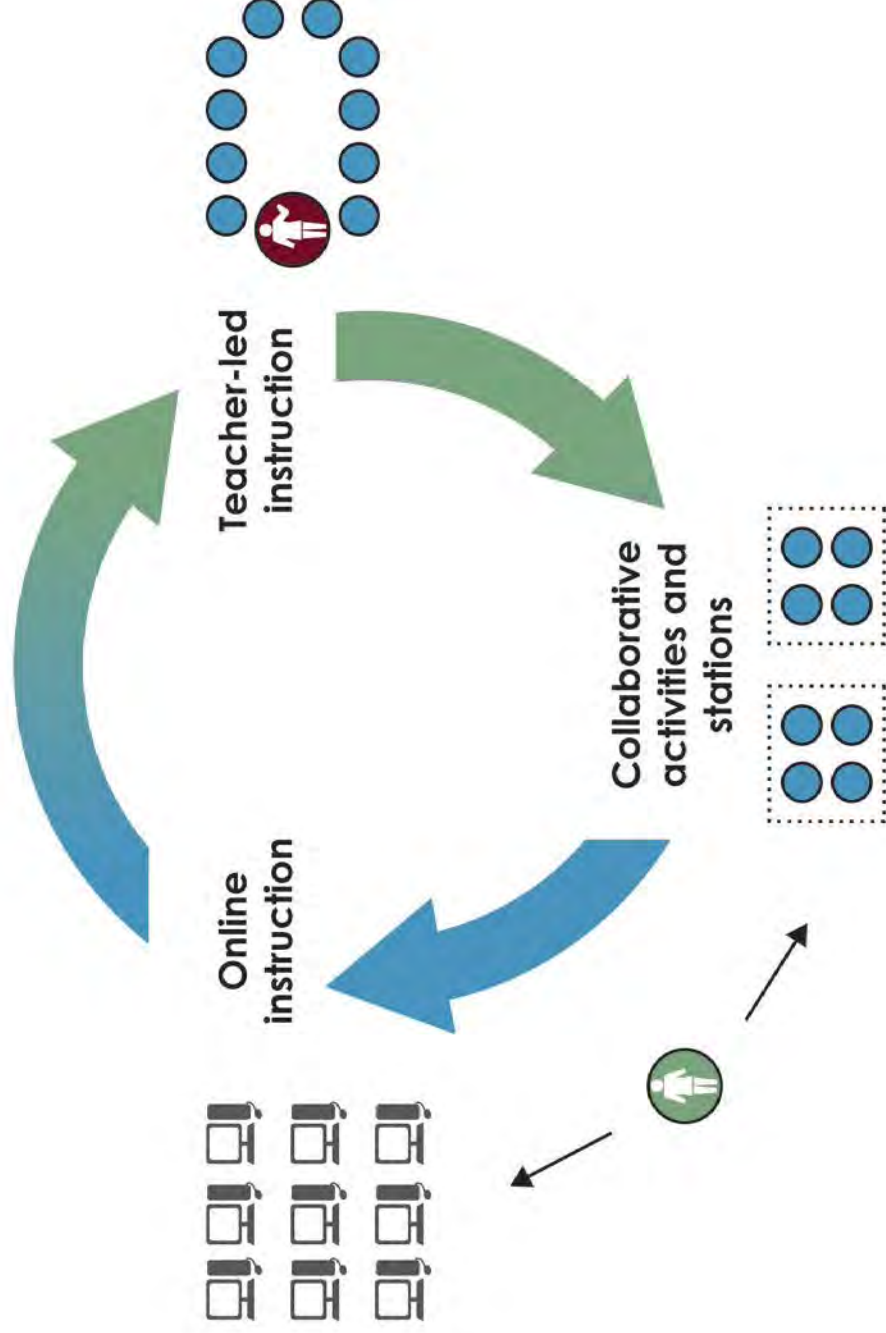
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# Emerging blended-learning models



# Station Rotation Model



# Station Rotation Model



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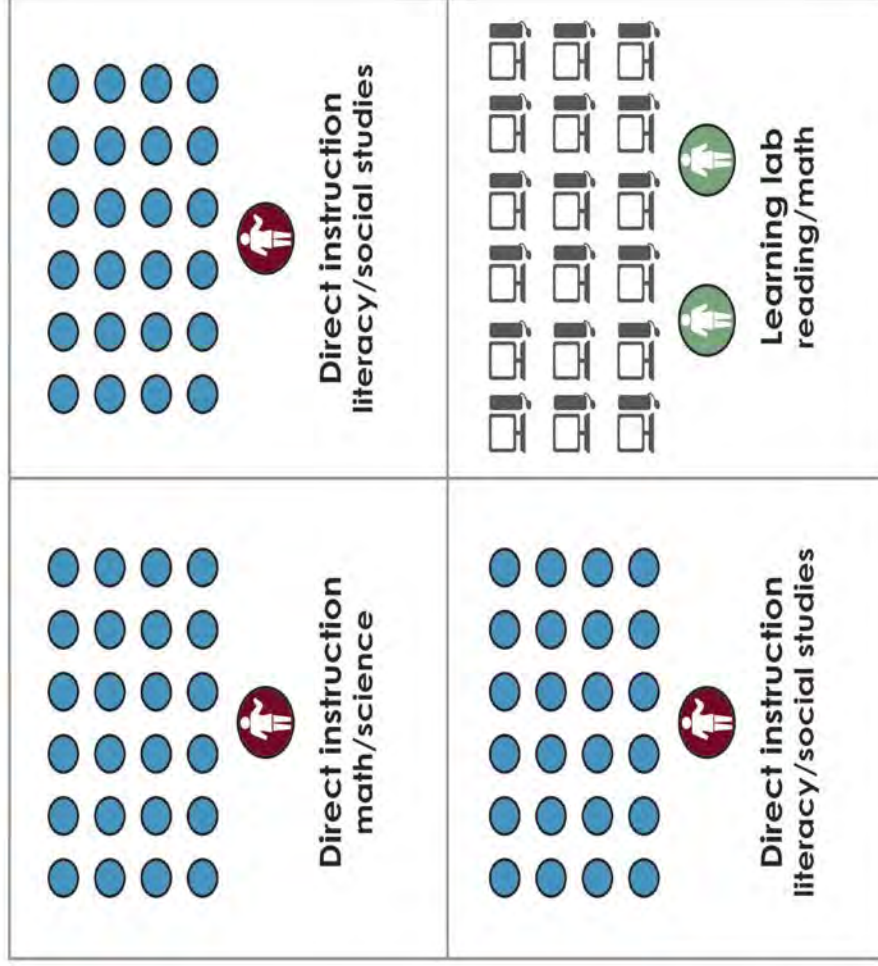
# Station Rotation Model



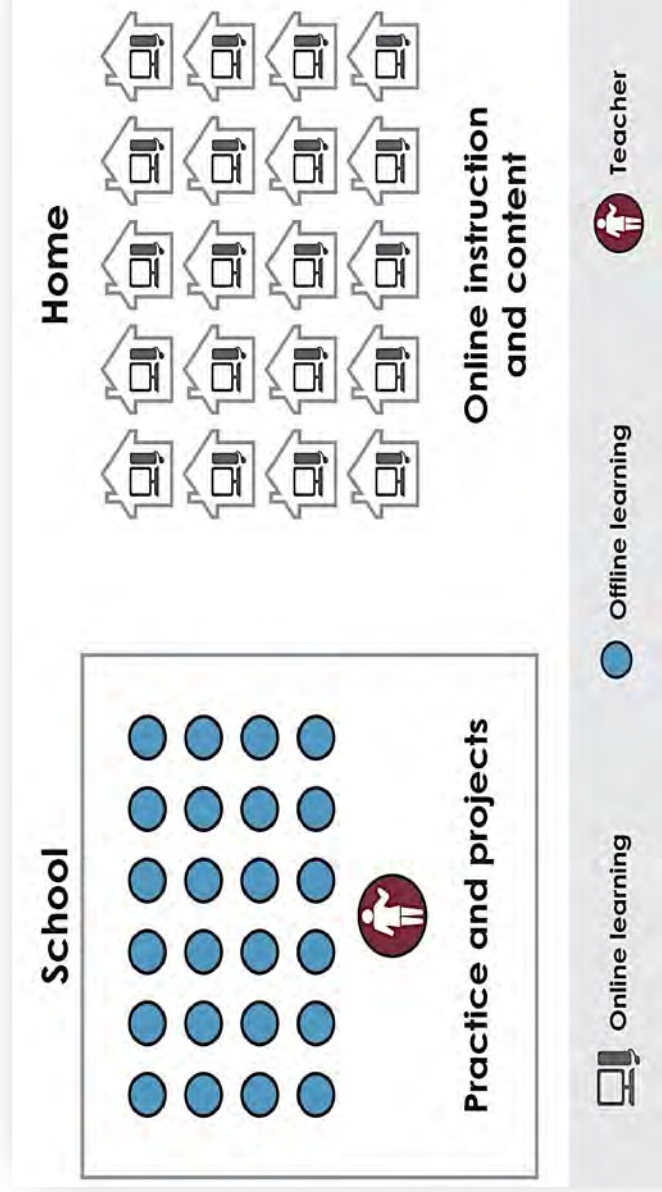
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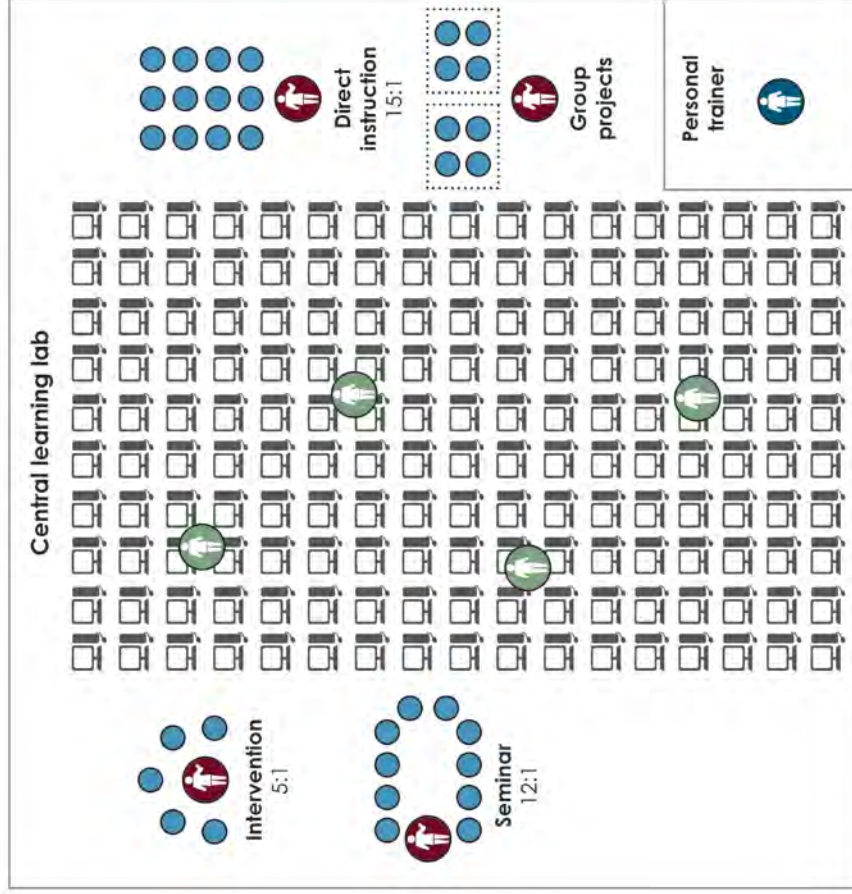
# Lab Rotation Model



# Flipped Classroom Model



# Individual Rotation Model



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# Carpe Diem

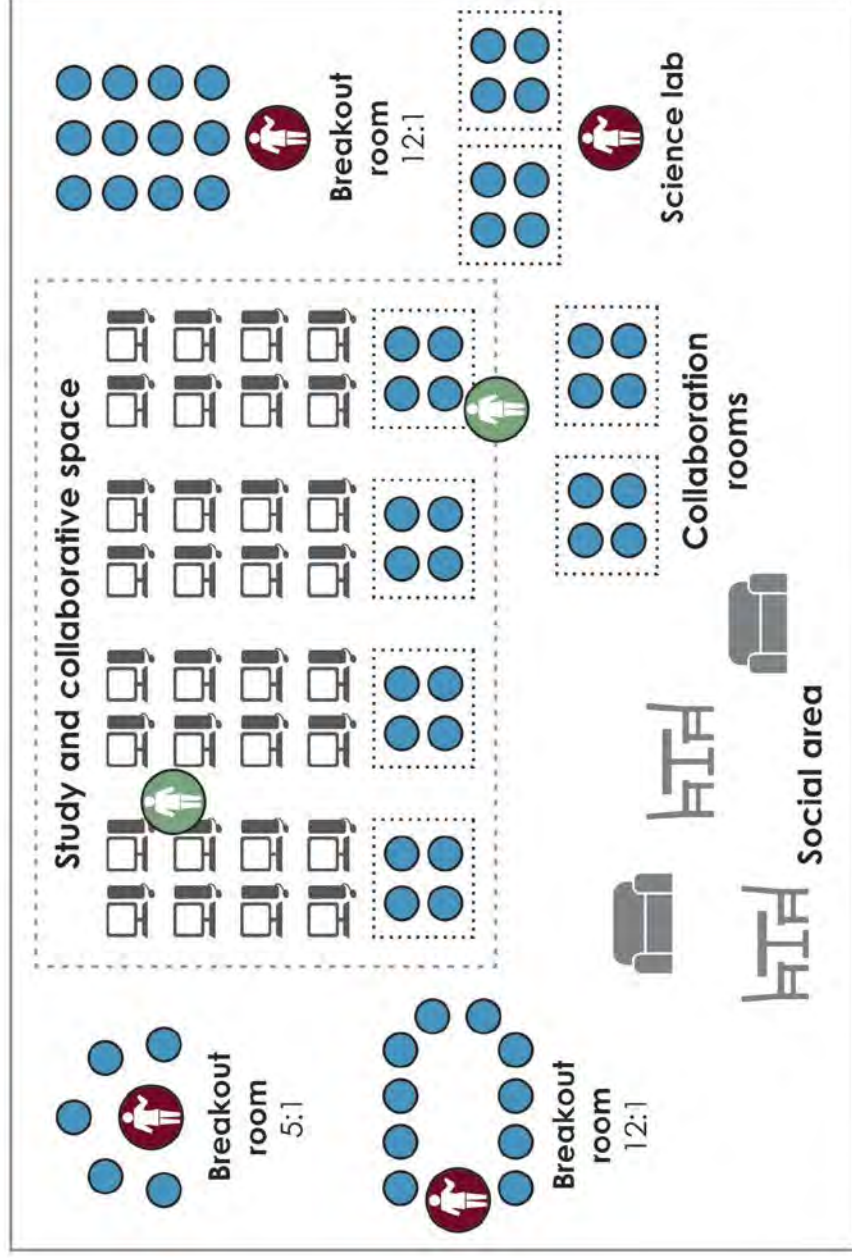


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# Flex Model



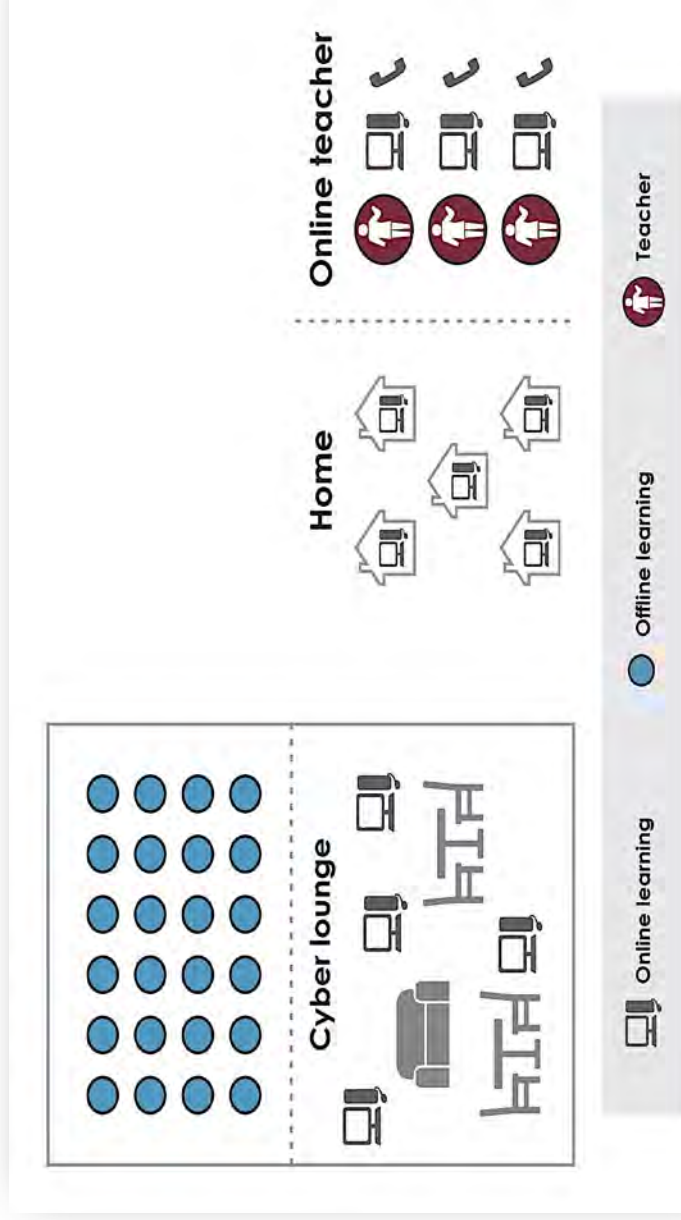
# Summit Public Schools



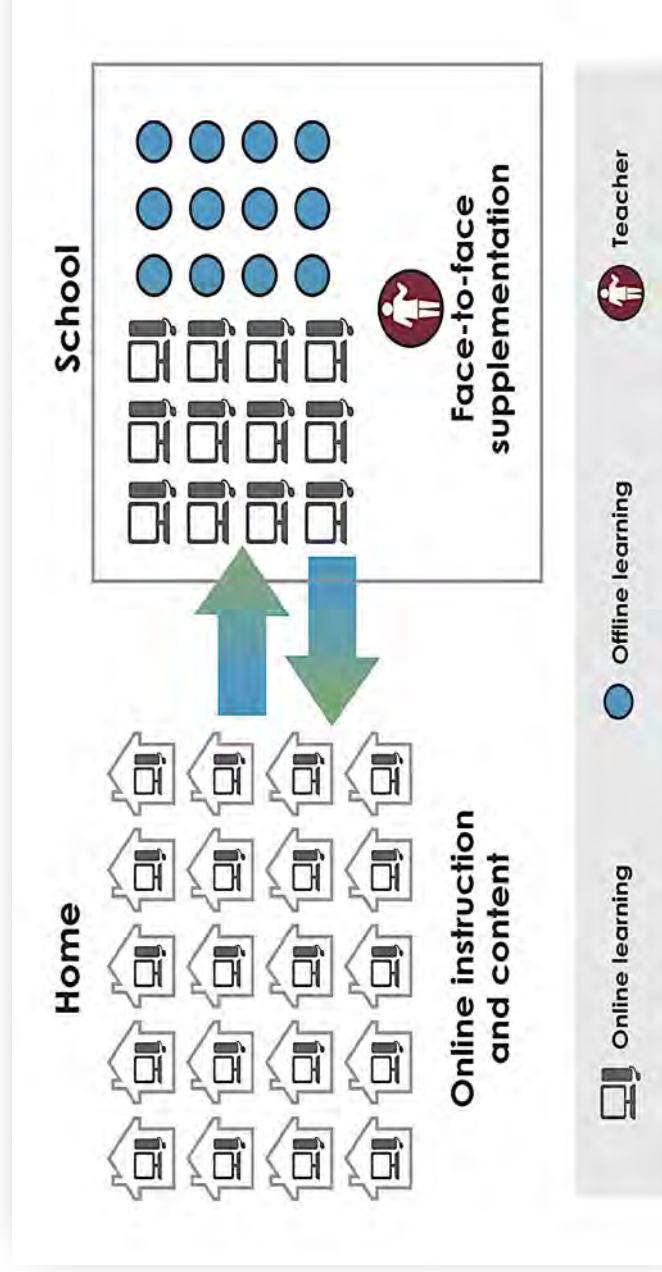
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# A La Carte Model



# Enriched Virtual model

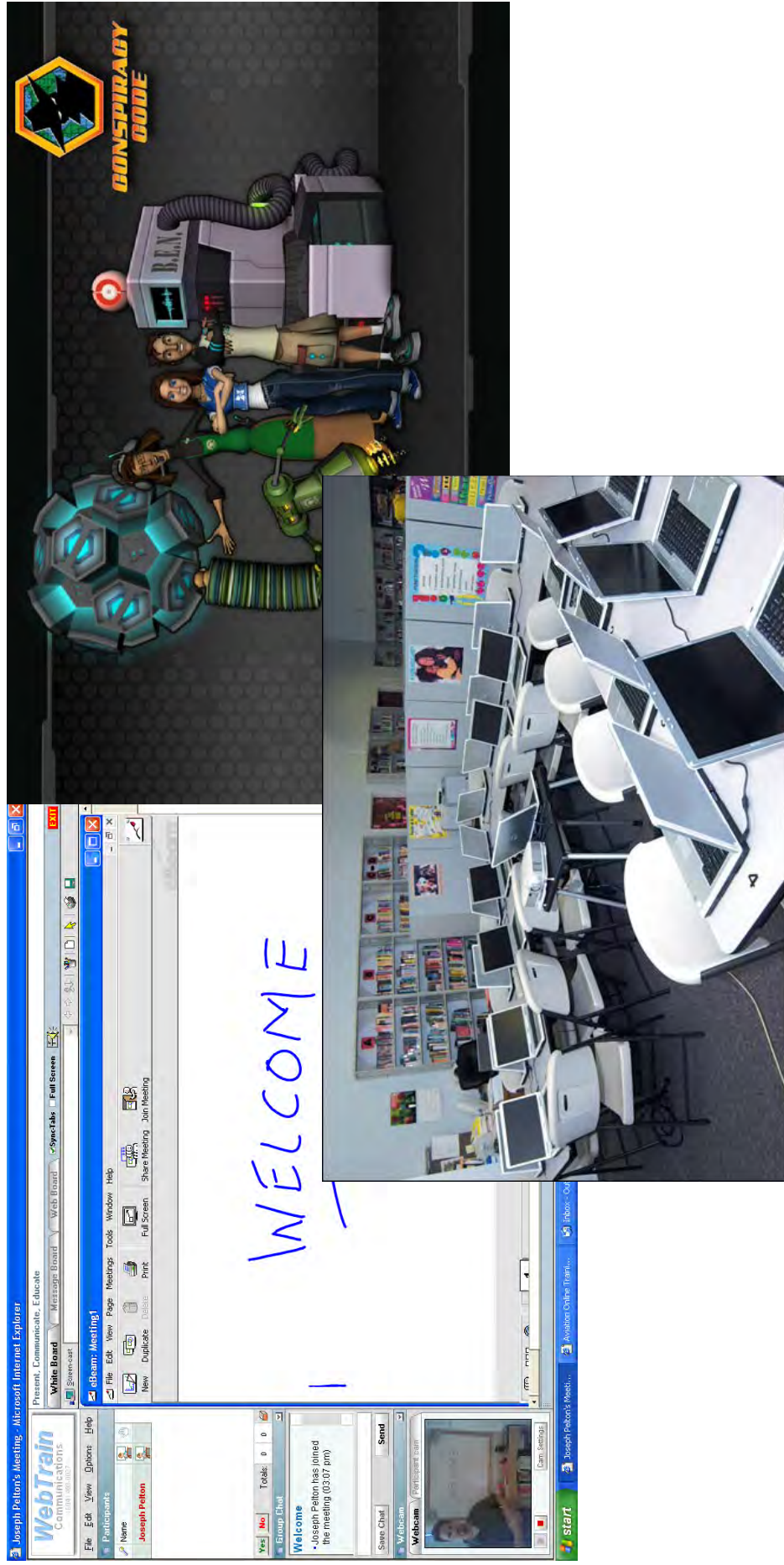


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## Trends & predictions



# Technology improves predictably

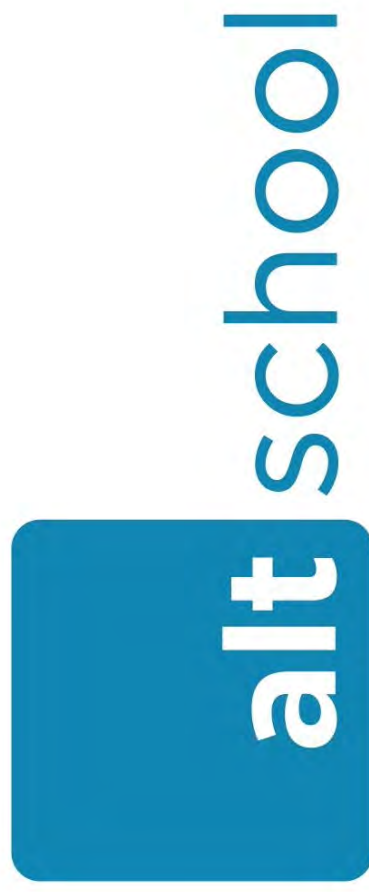


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# The rise of micro-schools

Will they be disruptive to independent schools?

ACTON ACADEMY



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## Public school adoption

What are districts and charters doing with blended learning?

- Elementary school
- High school
- Middle school
- New charter schools & regional clusters

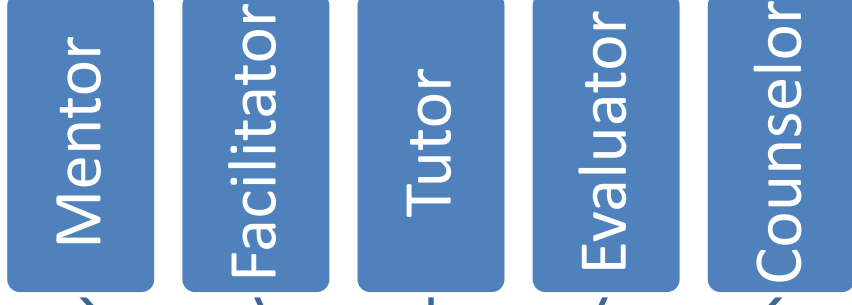
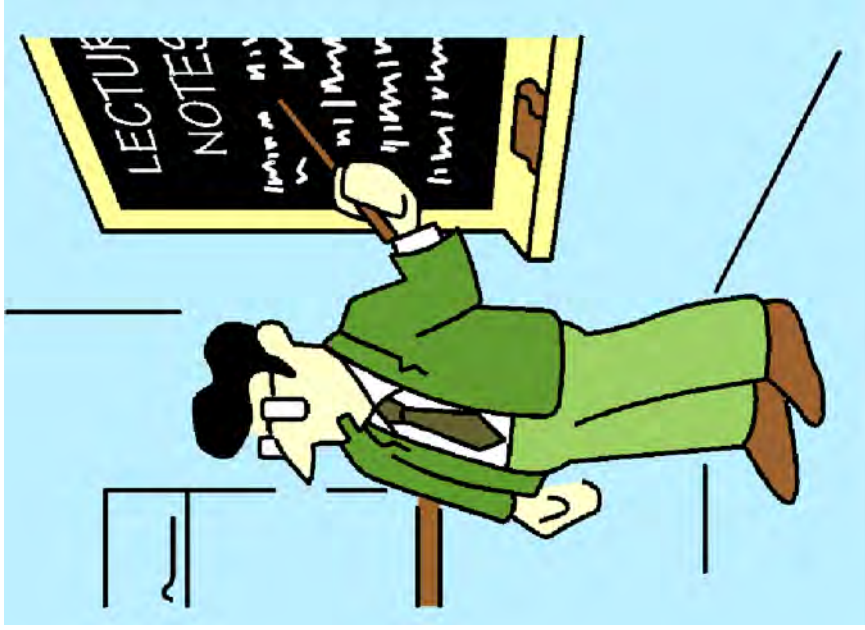


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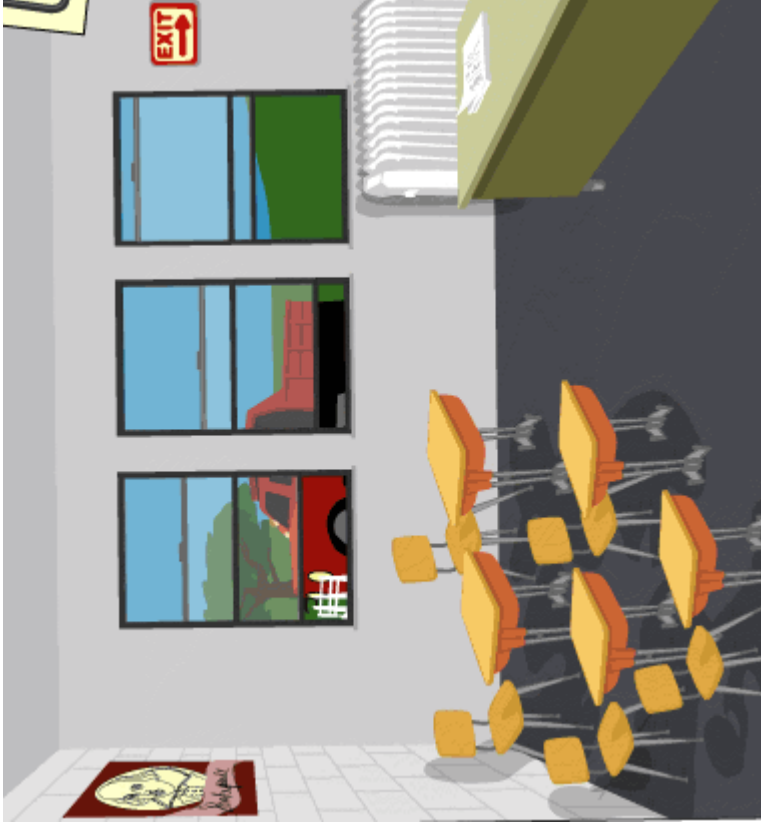
# What's the best use of face-to-face time?



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# What's the best use of brick-and-mortar space?



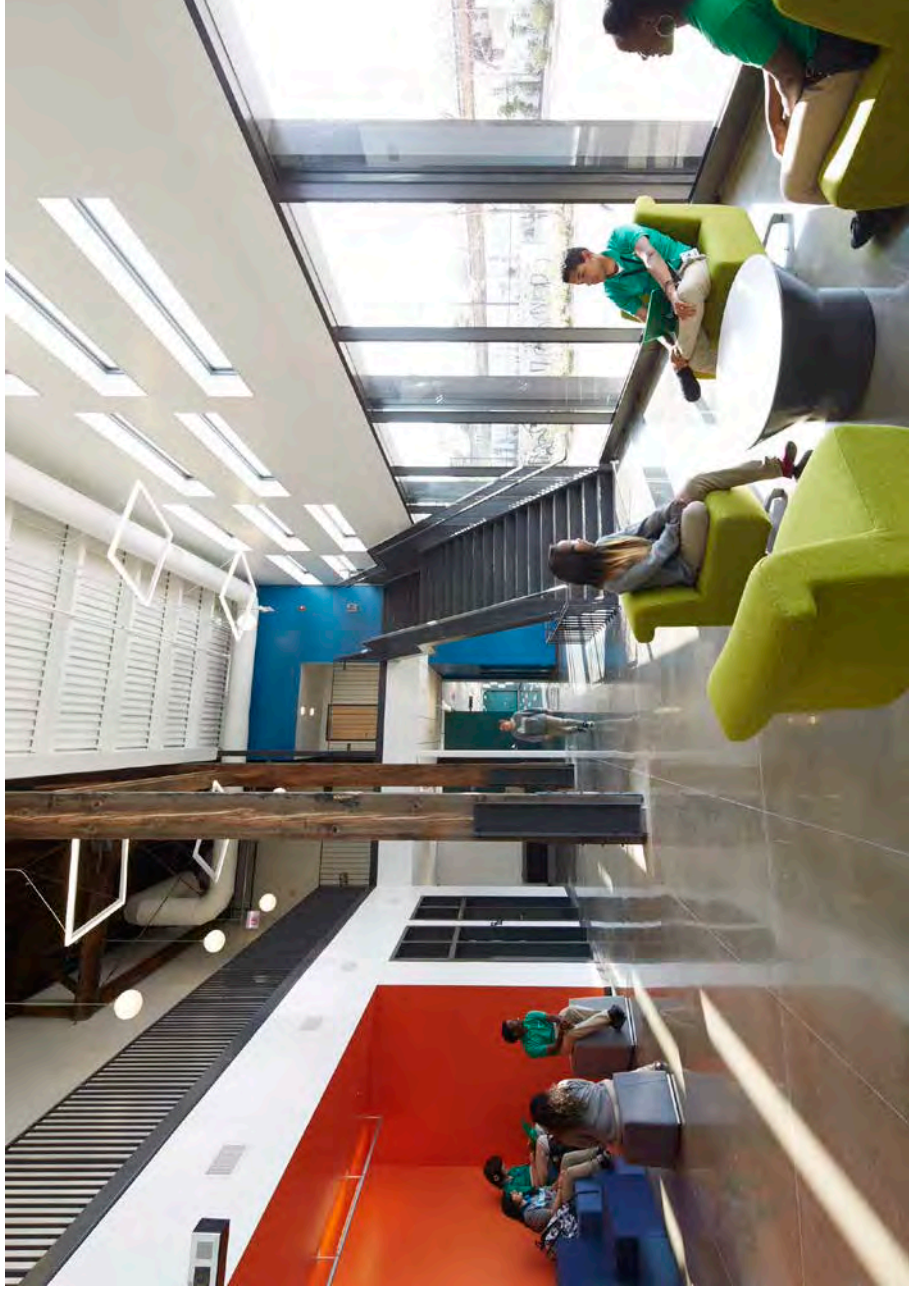
- Safe
- Clean
- Inspiring
- Available
- Flexible



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# Intrinsic Schools



Source: Steve Hall, Hedrich Blessing (Wheeler Kearns Architects)



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# Intrinsic Schools

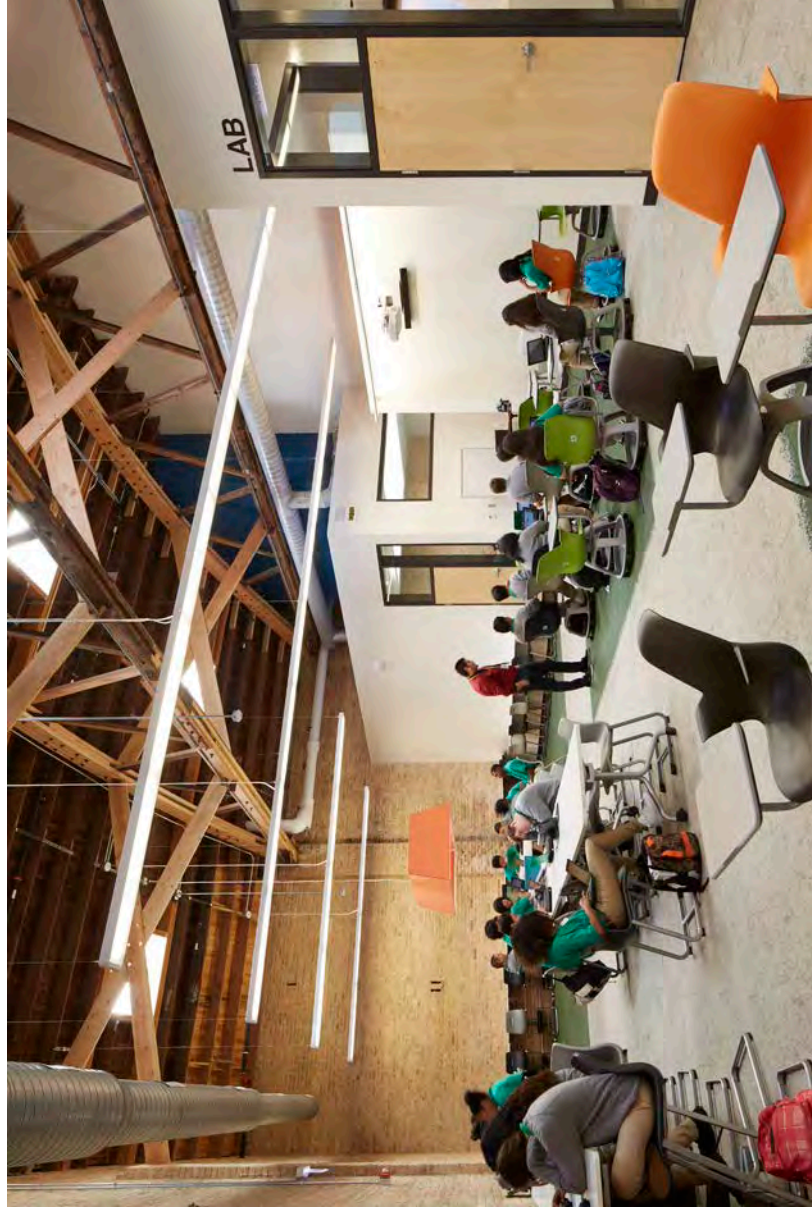


Source: Steve Hall, Hedrich Blessing (Wheeler Kearns Architects)

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# Intrinsic Schools



Source: Steve Hall, Hedrich Blessing (Wheeler Kearns Architects)



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What benefits can  
blended learning  
bring?



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Student-centered learning =  
Personalized learning  
+  
Competency-based learning





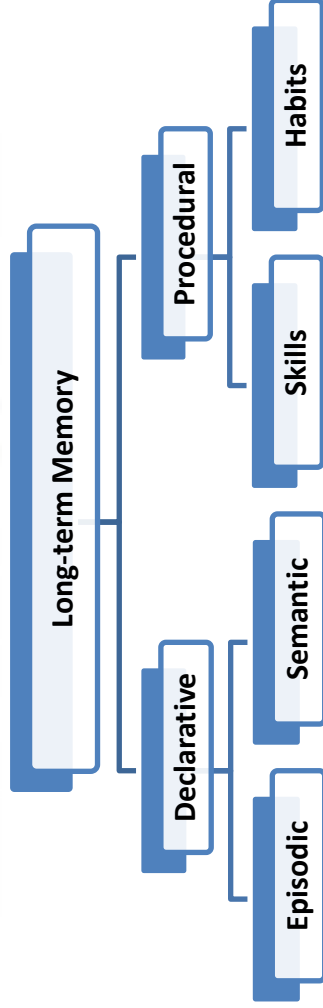
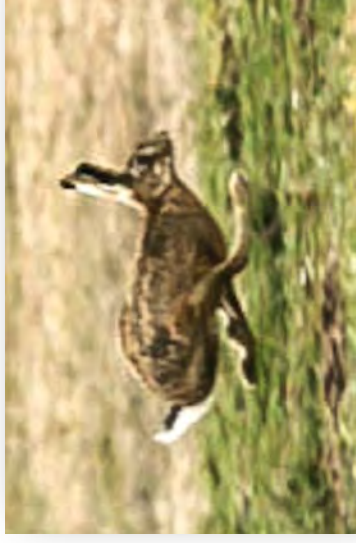
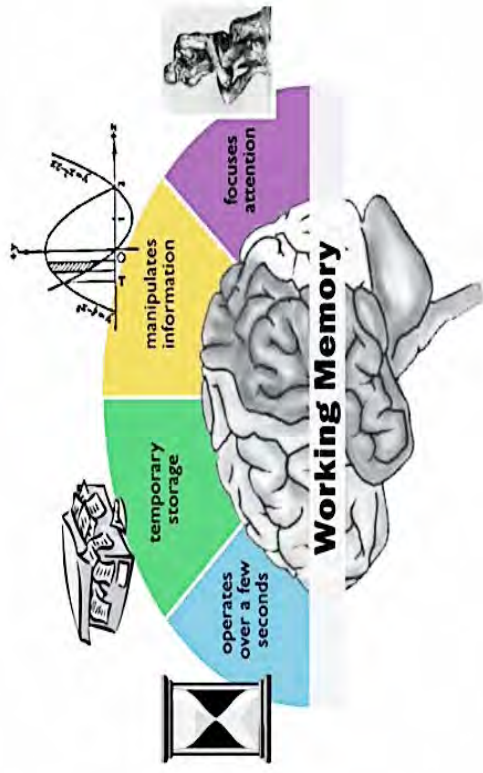
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# Potential benefits of online learning

## Personalization



# Different learning needs at different times



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# Learning environments modeled upon factories

Current system was built to standardize



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# The “Swiss-cheese problem” in education

Students develop holes in their learning



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# Fixed-time, variable learning



Deliver content to students



Testing & assessment



Progress to next grade, subject, or body of material

SCHOOL YEAR		PUPIL'S REPORT CARD		TEACHER'S EVALUATION		PARENTS' COMMENTS	
1945-1946	1946-1947	NAME	GRADE	TEACHER	DATE	DATE	DATE
Present	2.5	0	0	0	0	0	0
Last Six Weeks	1.9	0	0	0	0	0	0
Last Six Weeks	3.6	4	0	0	0	0	0
Intermediate Grades	8.0	5	2	0	0	0	0
Last Six Weeks	2.7	2	2	2	0	0	0
Last Six Weeks	2.7	0	0	0	0	0	0
Last Six Weeks	3.4	3	0	0	0	0	0
Intermediate Grades	3.7	3	0	0	0	0	0
Last Six Weeks	1.1	3	0	0	0	0	0
Yearly Grade	2.5	0	0	0	0	0	0

Receive results

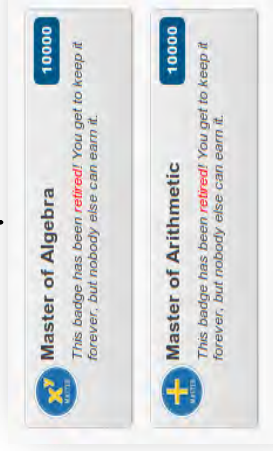
# Competency-based learning

Learning is fixed and time is variable



Offer learning experiences to students

Testing & assessment



Progress to next body of material

Receive real-time interactive feedback

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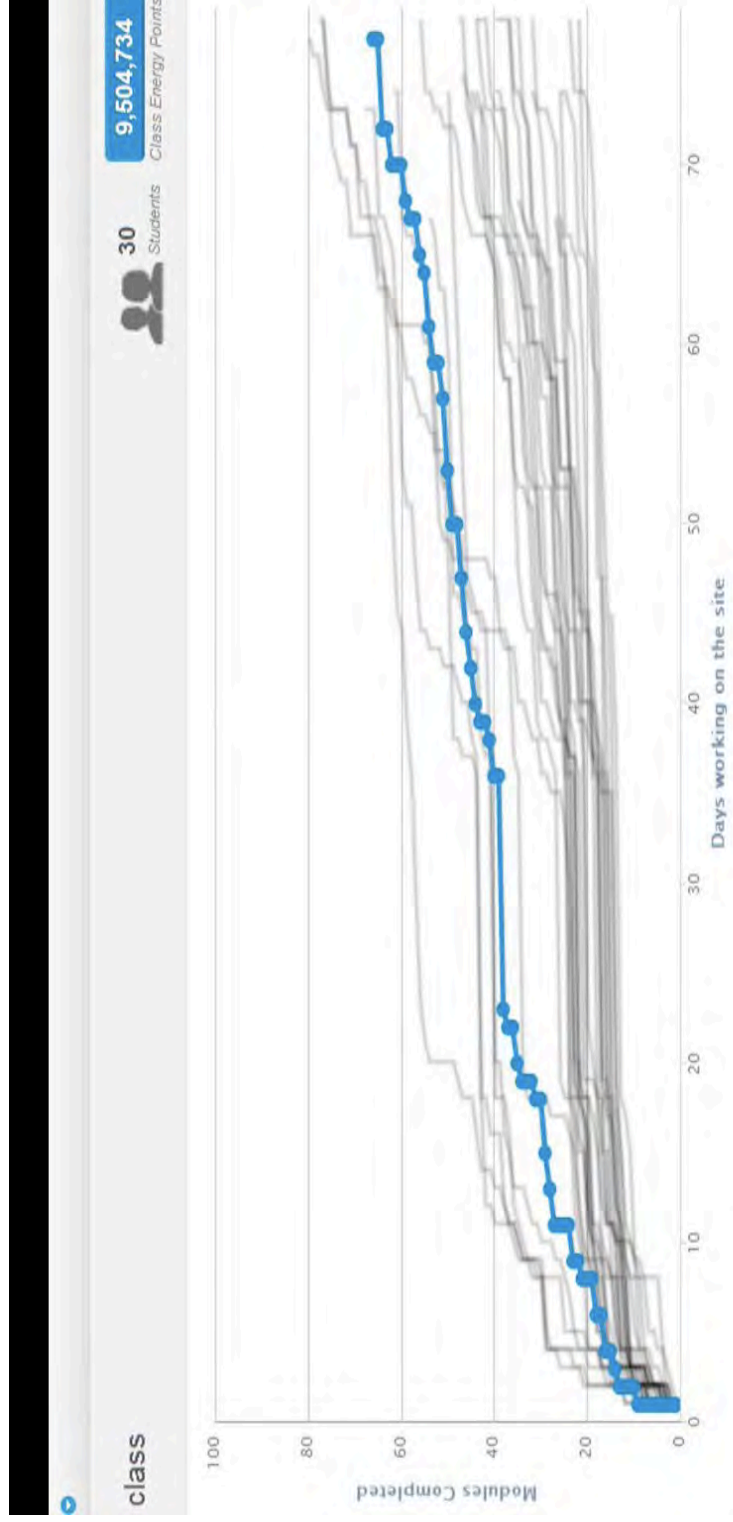
# High-quality competency-based learning

A working definition from CompetencyWorks

- Students advance upon mastery.
- Competencies include explicit, measurable, transferable learning objectives that empower students.
- Assessment is meaningful and a positive learning experience for students.
- Students receive timely, differentiated support based on their individual learning needs.
- Learning outcomes emphasize competencies that include application and creation of knowledge, along with the development of important skills and dispositions.

# Benefits of online and blended learning

Personalization through modularity

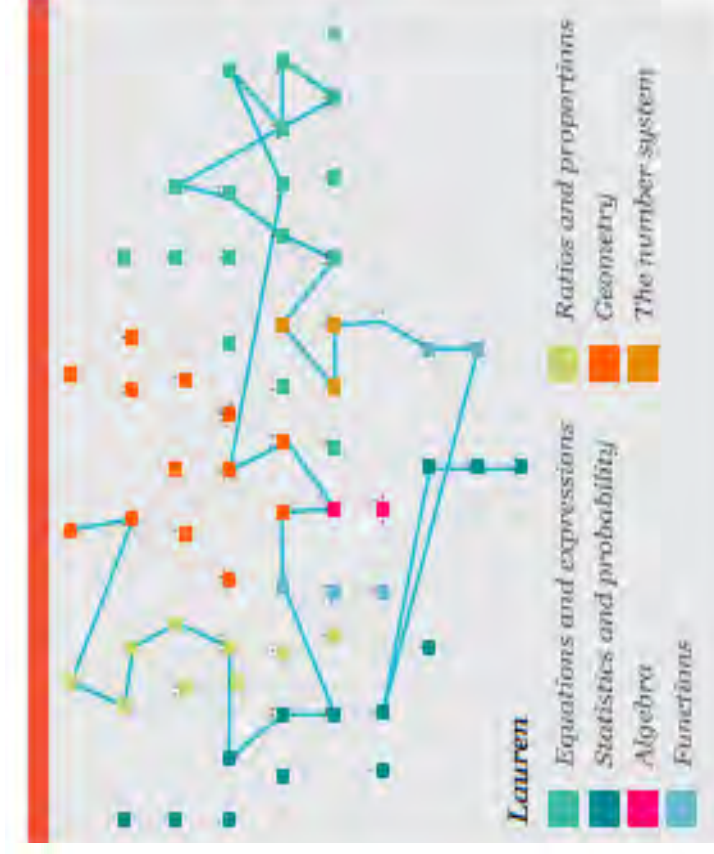
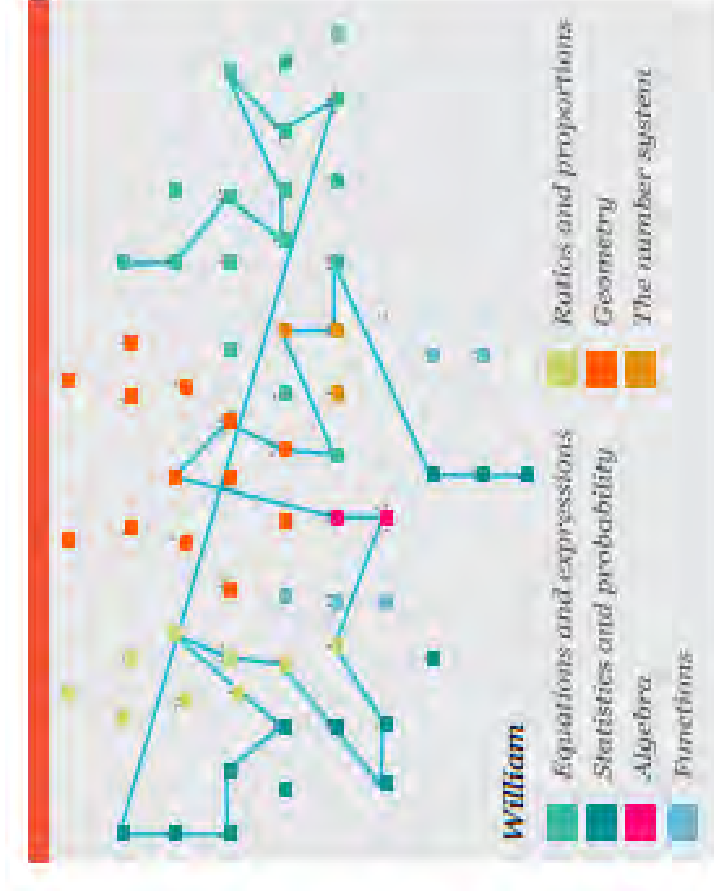


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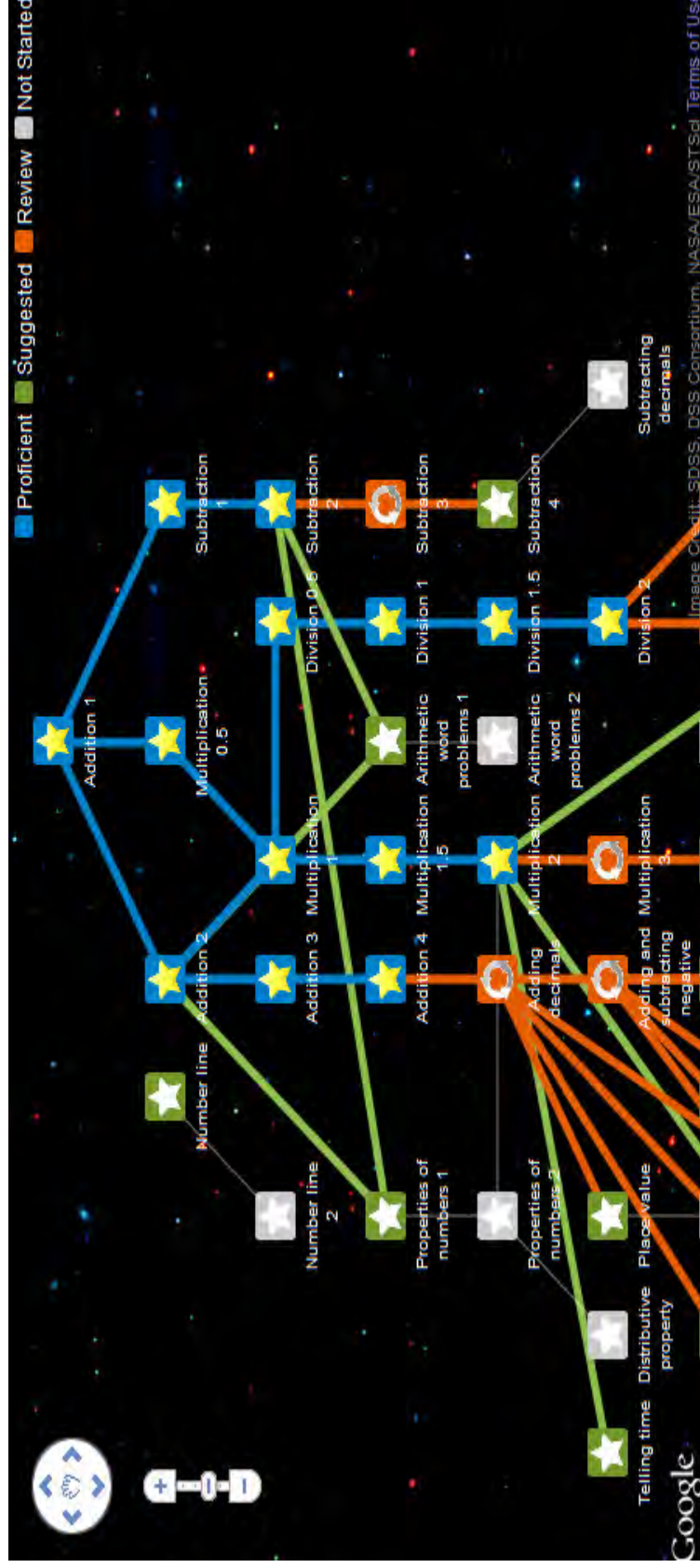
# Adaptive learning pathways



Source: Knewton

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# Student ownership



Source: Khan Academy

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# Potential benefits of online learning

Personalization



Access and Equity



## Prime examples of nonconsumption

- Credit recovery
- Drop outs
- AP/advanced courses
- Scheduling conflicts
- Home-schooled and homebound students
- Small, rural, urban schools
- Unit recovery
- Disaster preparedness
- Tutoring
- Developing countries
- Professional development
- Pre-K
- After school
- In the home
- Incarcerated youth
- In-school suspension
- School bus commute
- Summer school
- Teacher absenteeism
- Migrant worker families
- Foreign languages

# Potential benefits of online learning

Personalization



Cost Control



Access and Equity

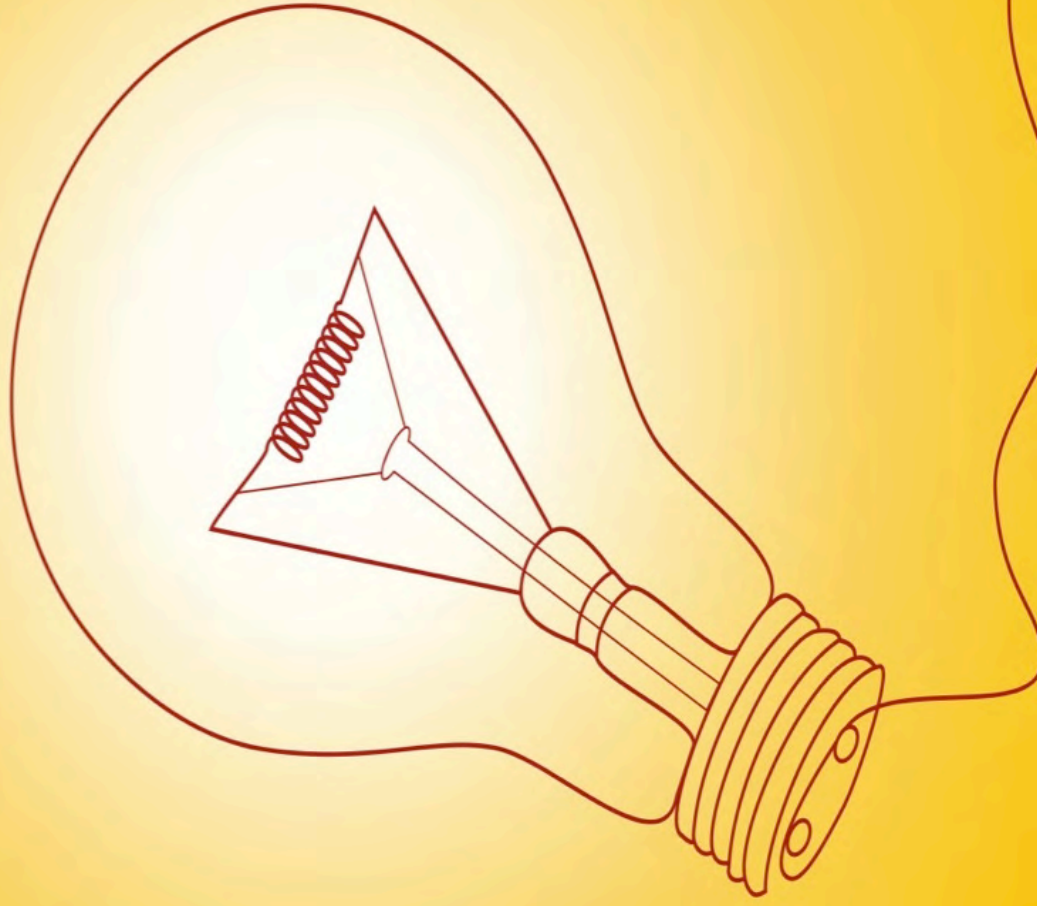


# Blended

*Using Disruptive Innovation  
to Improve Schools*

Michael B. Horn  
mhorn@christenseninstitute.org

Twitter: @michaelbhorn



 @christenseninst



**Get Ready for College:  
MOOCs Designed for  
Remediation**

*Choice & Innovation  
House Subcommittee  
September 17, 2015*





[Play Video](#)

# Get Ready for College - Math

**SPC's FREE online classes prepare you for college reading, writing and math**

**Improve your test scores**  
*"I need to get ready to retake the placement test."*

**Boost your confidence**  
*"Math is not my best subject."*

**It's been a while**  
*"I'm not sure how much I remember."*

- Review important concepts
- Work at your own pace
- Access videos and other helpful resources

**Learn more**  
[www.spcollege.edu/ready](http://www.spcollege.edu/ready)

**FREE | ONLINE | CONVENIENT**

St. Petersburg College is an Equal Access/Equal Opportunity Institution. 14-0530-08

# Get Ready for College - Math

1. Free to anyone
2. Self-paced - No instructor or facilitator



1. Not intended for instruction
2. Students may be referred as an option for placement test remediation
3. Students may use as a refresher if they have not had that subject in a few years
4. Learning certified through successful completion of placement test

**Get Ready for College**



October 2012: Idea originated



December 2012: Development team assembled



February 2013: Six-week pilot started (approx. 150 students)



May 2013: May 8<sup>th</sup> 'Go Live' Date



May 2013: Started Read/Write MOOC Development

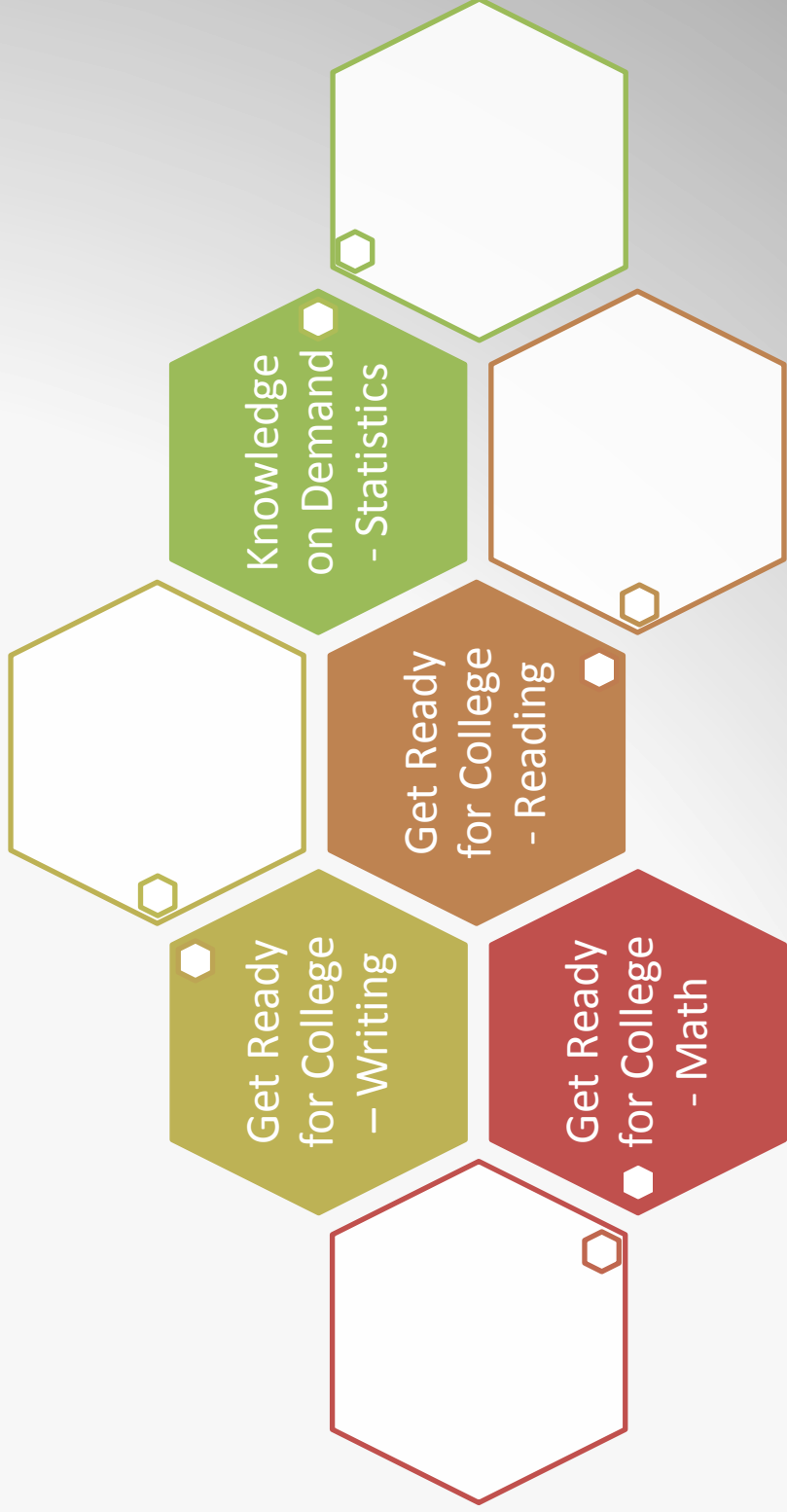


July 2013: Over 1,000 Students Enrolled

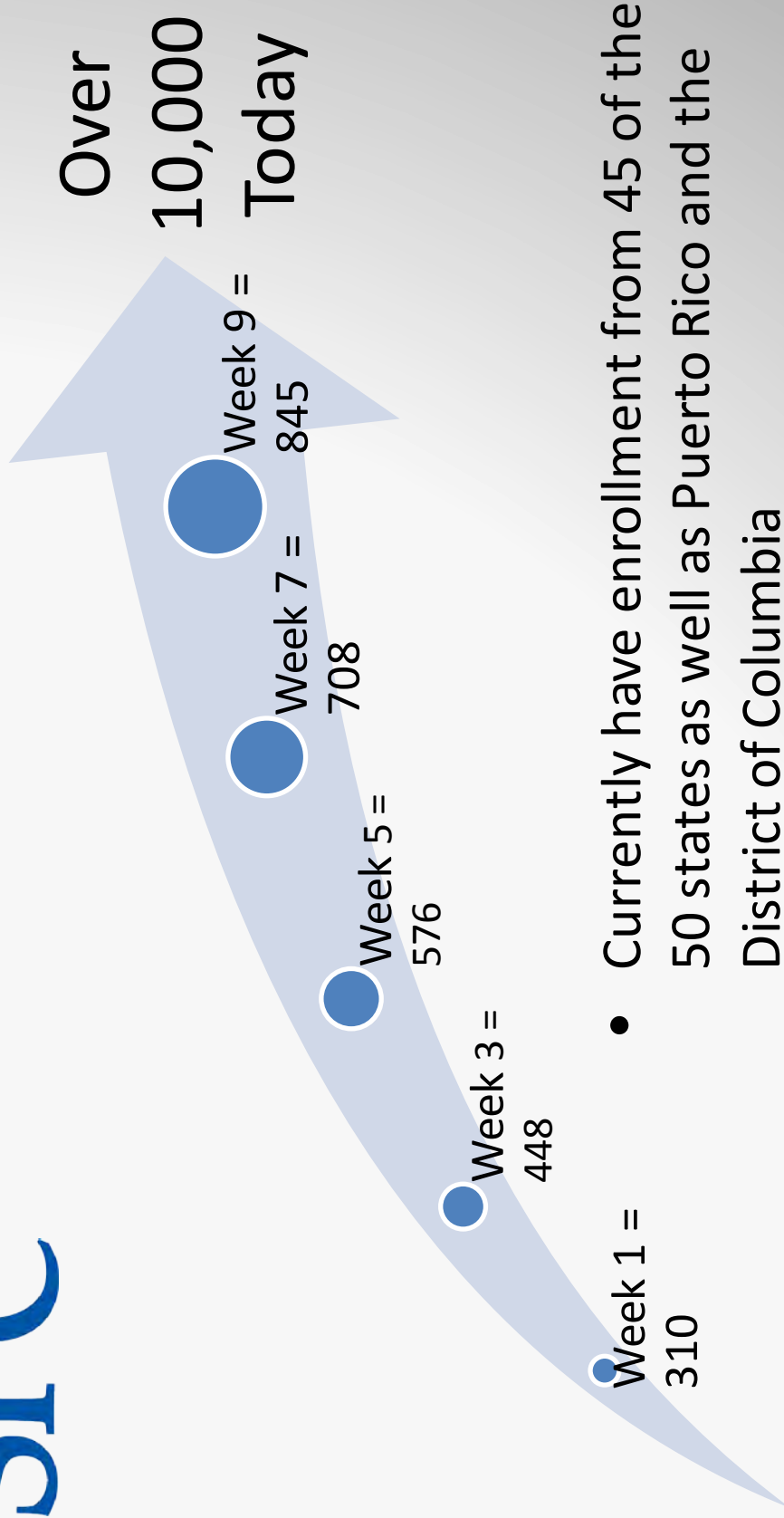


January 2014: Dev. Ed Reform Provided Student Choices (SB1720)

## Development Timeline



# MOOC Courses



- Currently have enrollment from 45 of the 50 states as well as Puerto Rico and the District of Columbia

**Initial Data**

[www.spcollege.edu/ready](http://www.spcollege.edu/ready)

SPC > SPC's FREE online courses prepare you for college



## SPC's FREE online courses prepare you for college

Math Writing Reading

### Get Ready for College Math

By taking this **FREE** online math prep class you can review key concepts, work at your own pace and access videos and other helpful resources.

**Here is how it works**

- The class is divided into six sections.
- Each section has a 30-question pretest.
- If your pretest score indicates you already know the content, you can move on.
- If not, work your way through the online videos and instruction for each section at your own pace.
- At the end of the class, you will take a final assessment. If you score well enough, you can print a certificate that shows the testing center you are ready to take the placement test again.

**Already registered?** Sign in [here](#).

You can also take online math prep classes led by an instructor through St. Petersburg College's non-credit division.

**Register Now**

# Registration Process


My Home > Get Ready For Colleg... > Demo Student 03

**SPC St. Petersburg College**

Course Home | Calendar | Communicate | Reports | Submission Review | Grades | Online Help

Get Ready For College - Math

Welcome! | x



**Get Ready For College - Math**

Welcome to St. Petersburg College's FREE online course, "Get Ready For College- Math".

This FREE, self-paced course consists of SEVEN (7) modules. Each of these modules reviews mathematical concepts that you need to be familiar with to succeed in college-level math.

Each module consists of a "Pre-Assessment" and "Post-Assessment". You must pass one of them to demonstrate competency. There are unit folders within each module with notes, interactive lessons with videos, and practice problems.

At the end of the course, there is a "Final Assessment", which is a cumulative assessment covering the entire course. Once you pass this with a 70% or higher, you will receive a certificate of completion for the course.

**To get started, click the [Course Content](#) link at the top of the page above.**

Show All News Items

**My Courses**

- Get Ready For College - Math
- Get Ready for College - Reading
- Get Ready for College - Writing
- Knowledge On-Demand: Statistics

**Calendar** | Friday, September 11, 2015

**Upcoming events**

There are no events to display.

# Course Flow - Module Progression



Each module has specific unit folders. Students can work on any of the units that they need remediation in, based on their “Pre-Assessment”.

My Home > Get Ready For Colleg... Demo Student 03

SPC St. Petersburg College

Course Home Calendar Course Content Communicate > Reports > Submission Review > Grades Online Help

Search Topics

Syllabus Bookmarks Upcoming Events

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Module 1 16

Pre-Assessment ✓

Introduction to Integers 2

Integer Operations 3

Order of Operations 1

Fractions, Decimals and Order of Operations 3

Percents, Decimals and Fractions 3

Linear Measurements 3

Post-Assessment 1

Student Feedback Survey 1

Get an Instructor! 1

Printable Lecture Notes  
 Interactive lecture notes

Please watch the Module 1 Introduction video above. You must complete the Pre-Assessment below before you will see the rest of the content in this module.

Download Send to Binder Expand All Collapse All

20% 4 of 20 topics complete

Pre-Assessment >

Introduction to Integers >

Integer Operations >

Order of Operations >

Fractions, Decimals and Order of Operations >

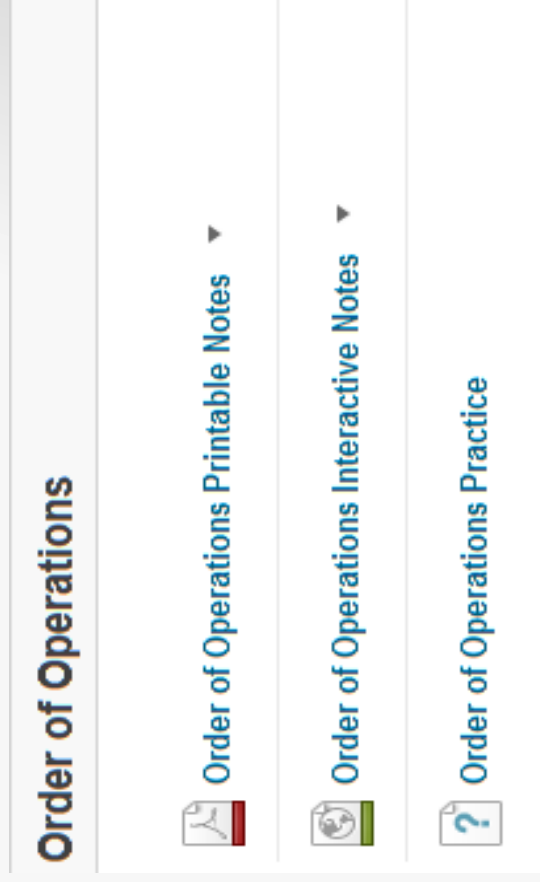
Percents, Decimals and Fractions >

Linear Measurements >

Post-Assessment >

# Course Flow - Module Progression

Each unit has “Printable Notes”, “Interactive Notes” with lecture videos reviewing the examples within the notes, and “Practice Problems” to reinforce the concepts.



“Interactive Notes”  
 allow students to click  
 on the link for individual  
 examples and play the  
 associated lecture video  
 on YouTube.

[Play Video](#)

## Module 5

### Adding and Subtracting Polynomials

$$\begin{aligned}
 & (5x^2 + 3x - 6) - (3x^2 - x + 5) \\
 & \quad \text{This guy distributes into these!} \\
 & = 5x^2 + 3x - 6 - 3x^2 + x - 5 \\
 & = (5x^2 - 3x^2) + (3x + x) + (-6 - 5) \\
 & = 2x^2 + 4x - 11
 \end{aligned}$$

To ADD polynomials, combine all like terms

\* This can be done by lining up the like terms of each polynomial vertically and then adding

1. Add:  $(-2x^2 + 5x - 1) + (-2x^2 + x + 3)$

2. Add:  $(4x^3 - 6x^2 + 2x + 7) + (5x^2 - 2x)$

3. Add:  $(7y^3 - 2y^2 + 7) + (6y^2 + 1)$

To SUBTRACT polynomials, change the signs of EVERY term of the second polynomial and then add....

4. Subtract:  $(5x - 3) - (2x - 11)$

5. Subtract:  $(2x^3 + 8x^2 - 6x) - (2x^3 - x^2 + 1)$

6. Subtract:  $(5y^2 + 2y - 6) - (-3y^2 - 2y + 11)$

[Now You Try!](#)

[Now You Try Answers Video!](#)

# Course Flow- Module Progression



# Assessment Model for Each Module

Once they score a 70% or higher on the “Final Assessment”, students are automatically directed to print a “Certificate of Completion” and take a short survey regarding their overall course experience.

[Download certificate as a pdf file.](#)



# Certificate of Completion

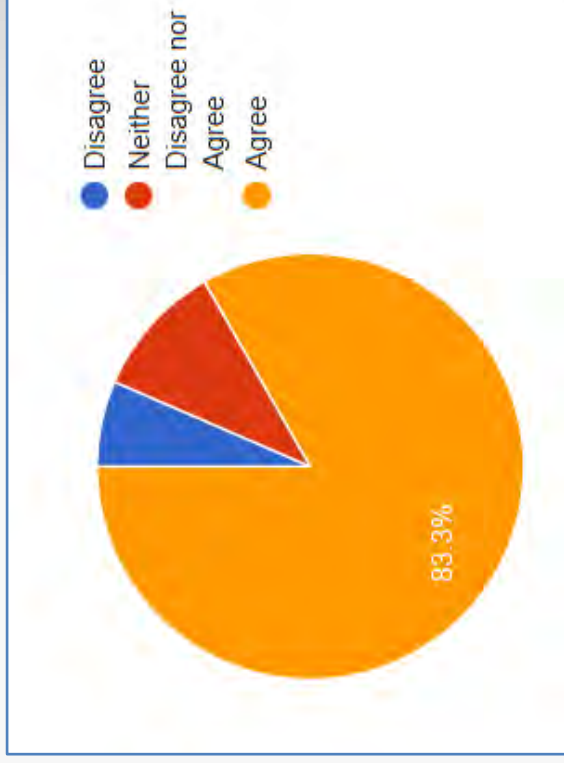
After printing the “Certificate of Completion”, or at any point during the course, students can take the “Student Survey” to give us feedback on their overall course experience.

#### Survey Questions

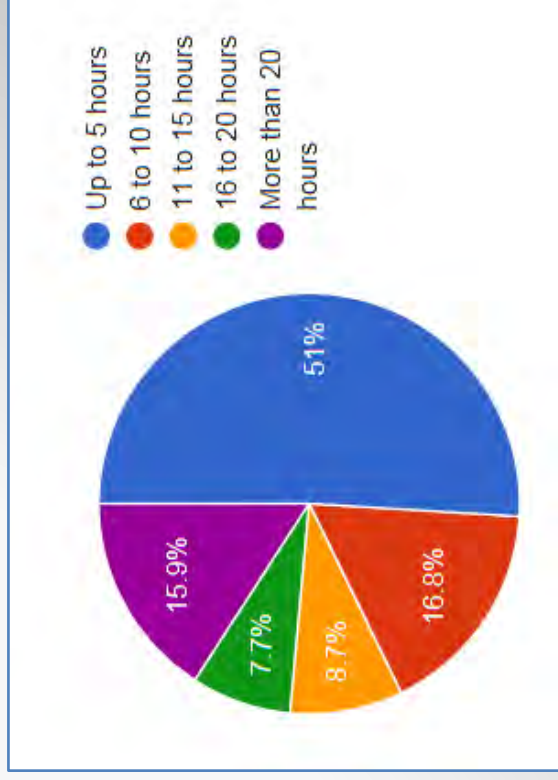
1. It was easy to navigate through the modules and topics.
2. Lecture notes and lecture videos were easy to understand.
3. Lecture notes and lecture videos prepared me for the practice questions.
4. Practice questions helped me prepare for the end of module assessment.
5. I never felt that I needed an instructor to guide me through the material.
6. The amount of time necessary to complete the course was reasonable.
7. I would recommend this course to others who want to refresh their knowledge of mathematics and algebra.
8. Estimate how many hours you spent on this course.
9. How many modules did you need to complete after taking the pre-assessment?
10. How did you learn about this course?
11. Have you ever taken a college remedial math course?
12. Please select any of the remedial math courses that you have taken. (Select all that apply)

## Student Survey

7) *I would recommend this course to others who want to refresh their knowledge of mathematics and algebra. (215 Responses)*



8) *Estimate how many hours you spent on this course. (208 Responses)*



## Student Survey

	Enrollments	Completers	Average Post Assessment
Get Ready For College – Math	1,910	21	65.0%
Get Ready For College – Reading	929	17	73.0%
Get Ready For College – Writing	1,192	30	74.2%
Knowledge On Demand - Statistics	439	N/A	N/A
<b>Grand Total</b>	<b>4,470</b>	<b>85</b>	

*Note: Enrolled since April 2015*

- Average time-to-complete is approximately 5.4 Weeks.
- Almost 20% of registrants are 14 to 17 years of age
- Pinellas County Schools have had 535 students enrolled since August 2014.

## Current Version Enrollments



1. Decisions about model and resources need to be made upfront (facilitated vs. non-facilitated, etc.)
2. Recognize that interactivity can be expensive
3. Determine how learning will be 'certified'
4. Need to establish a development team which has representation from different areas
5. Sustainability needs to be addressed
6. Need strong leadership support

## Lessons Learned



# Questions



# Florida's College Readiness MOOC



**Dr. David Shulman, Campus President**  
Broward College Online – Florida's Global Campus  
& The Willis Holcombe Center, Ft. Lauderdale

**e-Mail:** [dshulman@broward.edu](mailto:dshulman@broward.edu)

**Phone:** 954-201-7933

**BROWARD COLLEGE Online**  
Florida's Global Campus

# Florida's College Readiness MOOC

## Presentation Outcomes

- Provide an **overview of the College Readiness MOOC**.
- **Demonstrate ROI** for the cost versus outcomes of the MOOC grant.
- Share ideas and answer questions about **the role of MOOCs in education**.
- Thank the **State Legislature** and **Governor Scott** for your vision and support.



# Florida's College Readiness MOOC

## MOOC Interest at Broward College

- We like to be on the leading edge of innovation if learning, retention, and completion are the drivers.
- Our 2013 MOOC Symposium revealed our interest early on.

**Click here to register...keyword "MOOC".** Registration is required!

The Virtual Campus & Instructional Technology present...

# A MOOC\* Symposium

Friday, April 19, 2013 :: 1:00 p.m. - 4:30 p.m.  
Broward College Central Campus, Building 17, Room 425  
3501 SW Davie Road Davie, FL 33314

*\*massive open online course*

Learn about how and why MOOCs have become the hottest topic in higher education.

Learn how Udacity, Coursera, edX, and Canvas Network are using MOOCs to help students around the globe take courses from institutions such as Harvard, Berkley, and MIT.

Learn how Broward College and our colleagues at Barry University, Florida Atlantic University, Miami-Dade College, Nova Southeastern University, and Palm Beach State College are navigating this emerging area of teaching and learning.

**BROWARD COLLEGE** **MIAMI DAKE COLLEGE** **FAU FLORIDA ATLANTIC UNIVERSITY** **NOVA UNIVERSITY** **BARRY UNIVERSITY**  
**PALM BEACH STATE COLLEGE**

# Florida's College Readiness MOOC

## State Grant Outcomes...and Opportunities

- Supply a free MOOC covering all **Developmental Education Learning Outcomes**.
- Provide free placement **test preparation**.
- Provide a free **college readiness resource** for any Floridian pursuing a credential.
- Provide a free college readiness resource for **all delivery modalities**.



# Florida's College Readiness MOOC

## Attributes

- **Rolling enrollments**, 24/7, 365 days a year.
- **Effortless** registration.
- Pre and post **testing of competencies**.
- **Formative** assessments.
- **Interactivity** and fun.

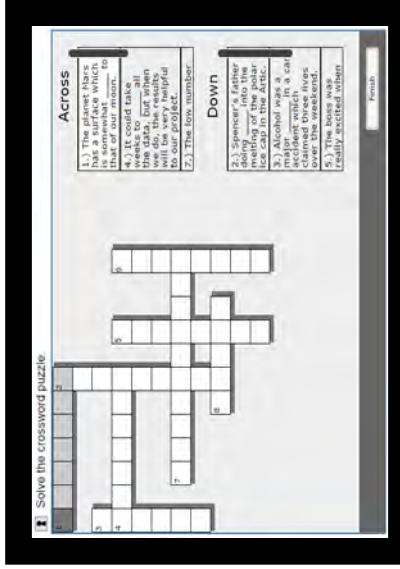
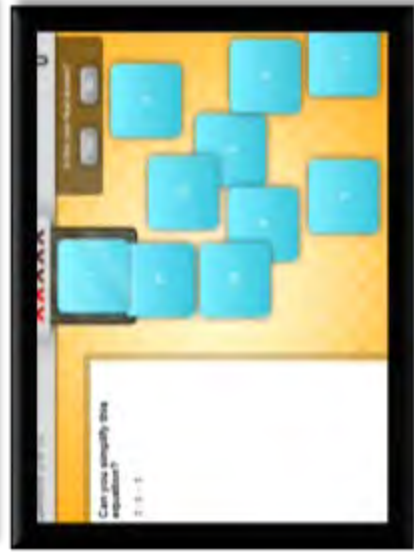




# Florida's College Readiness MOOC

## Attributes

- Game-based learning.



# Florida's College Readiness MOOC


## Attributes

- Faculty moderated.



**Abraham Biggs**  
*Senior Professor of Mathematics*

Abraham K. Biggs is a Senior Professor of Mathematics at Broward College Florida. He graduated from Florida State University Florida with a Master's degree in Mathematics in 1979. He also earned a BSc degree (Physics) in 1975 from the University of Science and Technology in [MORE](#)



**David Hennessy**  
*Assistant Professor of English*

A native of Miami, David attended the University of Miami for his B.A. and M.A. in English. He also earned a Graduate Certificate in Community College Education from the University of Central Florida. Since joining Broward College in 2001, David has taught both online and on-campus. [MORE](#)



**Charlene Koonin**  
*Professor of Reading*

Charlene is a Professor of Reading at Broward College Florida. She graduated from Herbert H. Lehman College of the City University of New York, with a Master's of Science in Education in 1981. She has dedicated her career to teaching students how to read actively and enhance in the cognitive and literal thought [MORE](#)



## Attributes

- Welcome Message from Professor Charlene Koonin.

The screenshot shows the Canvas LMS interface. At the top, there is a navigation bar with the following items: Courses, Grades, Calendar, Course Catalog, David Mark, Inbox, Settings, Logout, and Help. Below the navigation bar, the course information is displayed: CN-1658-COLLEGE-READY-FA2014 > Files > instructor\_reading.html. The main content area features a video player showing Professor Charlene Koonin, a woman with blonde hair wearing a maroon top, sitting at a desk with two computer monitors. The left monitor displays a slide with the text "YOU BEIN' REALLY 'REALLY WANTS TO BE SMARTER." and the right monitor displays a "QUI" slide. Below the video player, there is a sidebar menu with the following items: Home, Announcements, Discussions, Modules, Syllabus, and Chat. The Canvas logo is visible in the bottom left corner of the interface.

# Florida's College Readiness MOOC

## Attributes

- Textbook and Tuition Free.\*

\* Broward College

Online saves students  
\$2 million annually  
through courses that  
have no textbook  
costs.



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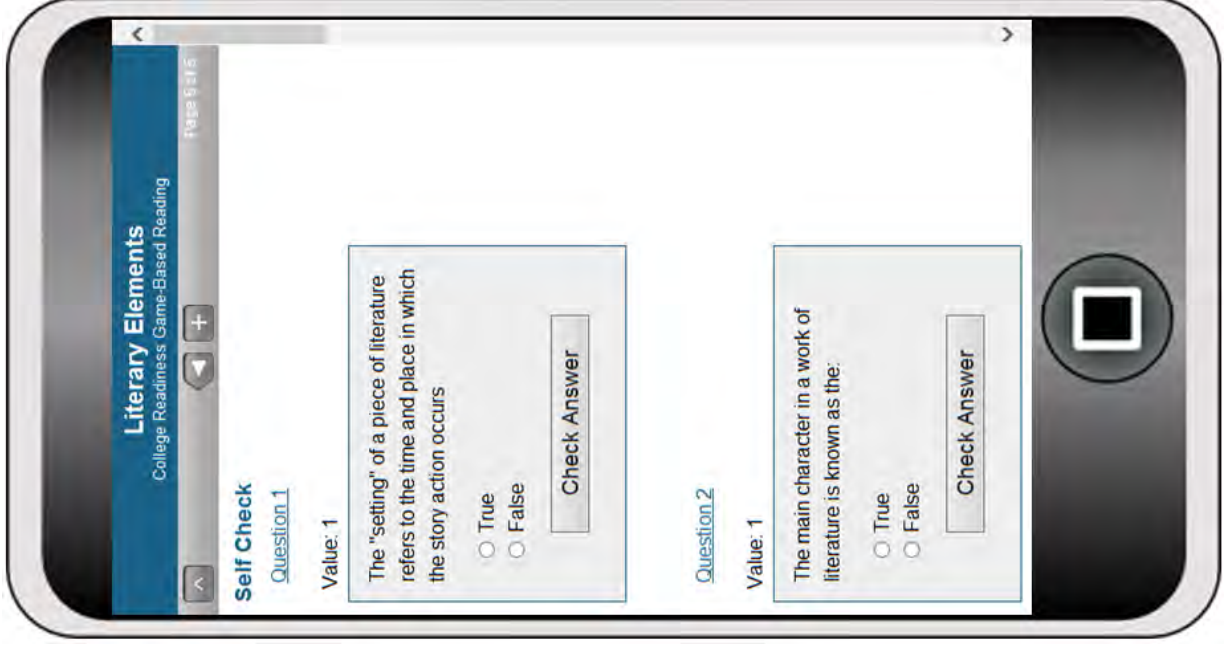
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# Florida's College Readiness MOOC

## Attributes

- Mobile friendly.



# Florida's College Readiness MOOC

## The Student Experience

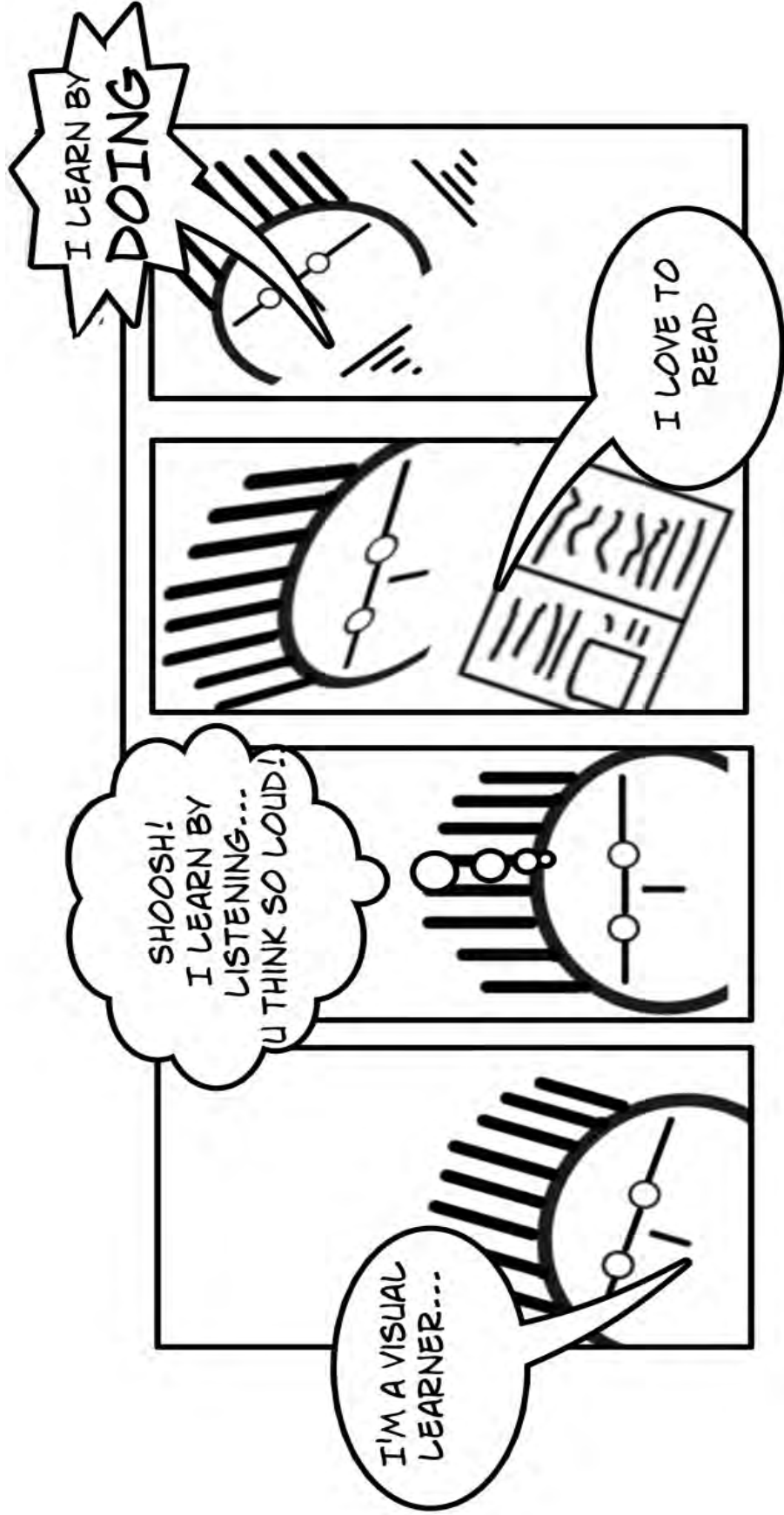
1. Pre-test
2. Lessons
3. Self-assessments
4. Games, Puzzles, Videos
5. Discussions
6. Faculty support
7. Post-test
8. Additional resources





# Florida's College Readiness MOOC

## The Student Experience





## The Student Experience





# Florida's College Readiness MOOC

## How Can Florida Educators Utilize the MOOC?

- Through the Orange Grove @ <http://florida.theorangegrove.org>.

The Orange Grove  
Florida's Digital Repository

Open Courseware > College Readiness Course

Links to resources

- MOOC course guide
- Reading.zip
- Math.zip
- Writing.zip

Full screen

Title  
College Readiness Course

Dashboard

Search

Browse Open Collections

Browse Higher Education Resources...

Browse K-12 Resources

Browse Institution Collections



# Florida's College Readiness MOOC

## How Can Florida Educators Utilize the MOOC?

- Disaggregated through the Course Guide @ <http://bit.ly/1pFpxZW>.

Reading Writing Math Instructions

This game-based course provides prospective students with a primer in college level reading, writing, and mathematics. Whether preparing to take a standardized placement test or simply improving readiness to handle college-level work, this course can help students build mastery and confidence. With a simple 30-second sign-up students can also access the live, faculty facilitated course that runs continually. Students wishing to enroll should visit [our site](#) to learn more about the course and to enroll.

### College Readiness

#### Reading

The reading portion of this course covers identifying, distinguishing, analyzing and inferring information from written English.

#### Writing

The writing portion of this course covers proper grammar, syntax and appropriate usage and mechanics of writing in English.

#### Math

The math portion of this course covers basic number theory, polynomial expressions, operations and equations, and graphing.

**Note:** Single instance of all content assets to ensure currency and continual improvement.

# Florida's College Readiness MOOC

## How Can Florida Educators Utilize the MOOC?

- Disaggregated through the Course Guide @ <http://bit.ly/1pFpxZW>.



The screenshot shows a web browser window with the address bar displaying <https://bconline.broward.edu/shared/CollegeReadiness/math.html>. The page content is organized into a tree structure under the heading "Unit 4: Decimals". The items listed are:

- Unit 4: Pre-Test (Click to Download Zip File)
- Lesson 4.1 Introduction to Decimals
- Lesson 4.2 Rounding Decimals
- Game! Rounding Decimals (Shout Out)
- Lesson 4.3 Adding Decimals
- Lesson 4.4 Subtracting Decimals
- Lesson 4.5 Multiplying Decimals
- Lesson 4.6 Dividing Decimals
- Lesson 4.7 Applications with Decimals
- Lesson 4.8 Order of Operations with Decimals
- Game! Decimal Order of Operations (Bootcamp)
- Unit 4: Post-Test (Click to Download Zip File)

At the bottom of the page, there is a note: "Instructions on importing this assessment into D2L are available here." A context menu is open over the "Unit 4: Post-Test" link, showing options: "Open link in new tab", "Open link in new window", "Open link in incognito window", "Save link as...", "Copy link address" (highlighted), and "Inspect element". A mouse cursor is pointing at the "Copy link address" option.

**Note:** Single instance of all content assets to ensure currency and continual improvement.



## How Can Florida Educators Utilize the MOOC?

- Use, Remix, Reuse...it's OER!

To import the Pre- and Post-Tests into your course, the following steps should be followed:

1. Within each of the College Readiness course tabs (Reading, Writing and Math), right-click the **Pre-** or **Post-Test** link and save the zip file to your Desktop.
2. In your course, click **More Tools** on the blue course navigation bar and then select **Edit Course**.
3. Click **Import / Export / Copy Components**
4. Select **Import Components**
5. Click **Browse**, navigate to your Desktop, select the downloaded zip file, click **Open**, and then click **Start**.

### Import/Export/Copy Components

**What would you like to do?**

Copy Components from Another Org Unit

**Protected Resources:**

Include protected resources

**Course to Copy:**  [View History](#)

Parent Template of Current Offering


**Protected Resources:**

Include protected resources

Export Components

Import Components

Course Files:  Include course files in the export package



*Importing the pre-test into a learning management system*

# Florida's College Readiness MOOC

## How Can Florida Educators and Students Utilize the MOOC?

- 24/7 365 on the Canvas Network @ [www.canvas.net](http://www.canvas.net).

The screenshot displays the Canvas Network website interface. At the top, a red banner reads "GET WISE TO THE WORLD." with the subtext "Enroll in open, online courses from colleges, universities, and organizations worldwide." Below the banner is a search bar labeled "Search Our Catalog".

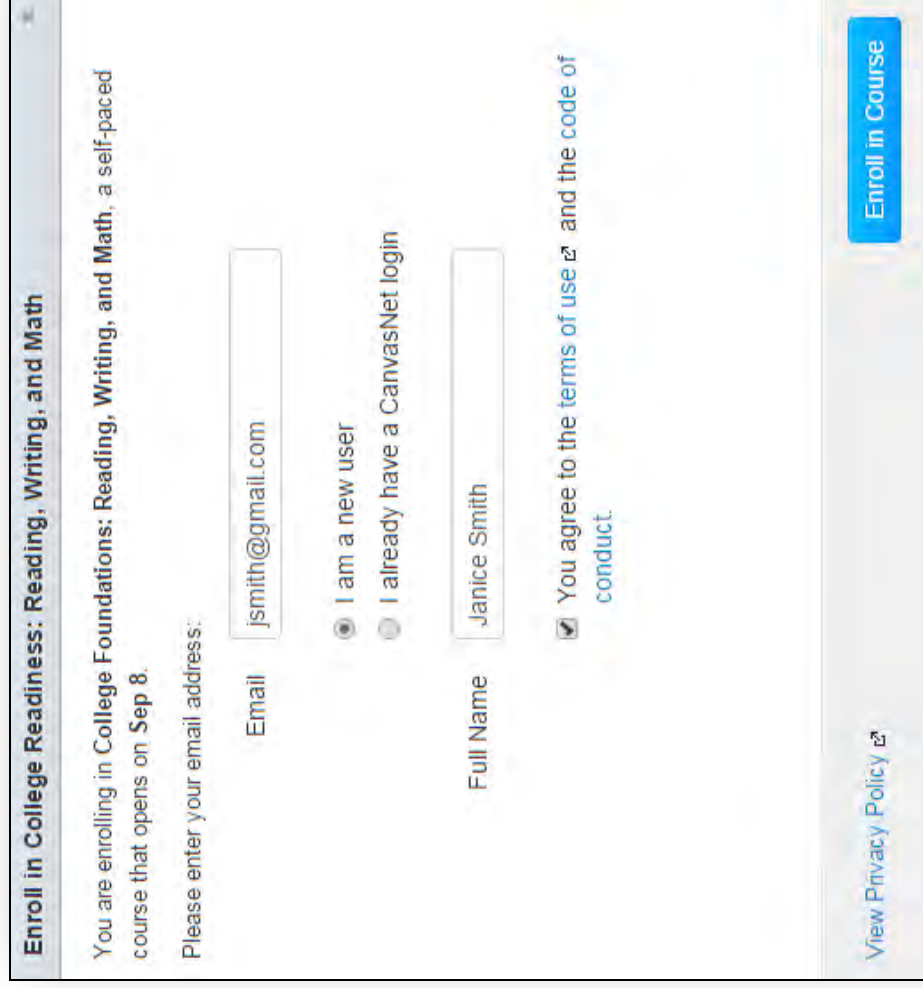
Four featured MOOC courses are listed in a grid:

- Sport Informatics and Analytics** (University of Canberra): "How can they tell us about performance in sport? Join our learning community, supported by sport performance experts from around the globe, to explore and share ideas and experiences around interesting and exciting performance data." (University of Canberra logo)
- eSankofa: Conversations About the Black Experience** (Michigan State University): "eSankofa is an online video learning experience for African Americans in a year-long journey that ties Black experience from yourself and others at colleges in America across the experience." (Michigan State University logo)
- FIRST! Understanding New Hampshire's Presidential Primary** (University of New Hampshire): "It's been 100 years since New Hampshire held its presidential primary, and the story of this important political contest is packed with colorful personalities and interesting anecdotes in this course you'll learn about the history of the presidential nomination process." (University of New Hampshire logo)
- Foundations of Evidence-Based Practice in Healthcare** (The Ohio State University): "This course will provide learners with an overview of the various roles of evidence-based practice (EBP) in nursing and health sciences." (The Ohio State University logo)

# Florida's College Readiness MOOC

## How Can Florida Educators and Students Utilize the MOOC?

- Students can **enroll in seconds**.



**Enroll in College Readiness: Reading, Writing, and Math**

You are enrolling in College Foundations: Reading, Writing, and Math, a self-paced course that opens on Sep 8.

Please enter your email address:

Email

I am a new user  
 I already have a CanvasNet login

Full Name

You agree to the terms of use [↗](#) and the code of conduct.

[View Privacy Policy](#) [↗](#)

[Enroll in Course](#)

# Florida's College Readiness MOOC

## By the Numbers: January through July 2015

- **4,316** students over the six month term.
- **3,588** or **83%** of students completed the survey.
- **Global participants:** Bangladesh, Peru, Hong Kong, Iran, Jamaica, Ghana, Kazakhstan, and Saudi Arabia just to name a few.
- Students from **most U.S. states.**
- Most students are **Floridians (2,083 or 58%)**
- **56 counties** in Florida.
- **38%** of enrollees from Broward County





# Florida's College Readiness MOOC

## How Can Florida Educators and Students Utilize the MOOC?

- Support resource for test preparation and college readiness.

Home > Admissions > Testing

### Testing

Testing Home  
Placement Testing Table  
Clep Testing  
Campus Locations  
Computer Literacy Test Objectives  
PERT Study Skills  
SB1720 Exemption

**Need help preparing for a standardized test?**

Take a Continuing Education course.

Enroll in a FREE online College Foundations course.

### Testing

Tests available at Broward College:

- PERT
- LOEP
- CPT
- TABE


Tests available at Broward College:

- CLEP
- ATB
- Computer Literacy Exam

Testing Services Available at Broward College:

- Distance Learning Exams
- Disability Services (Testing Accommodations)
- Broward College Department Make-Up Exams

*"Which test is appropriate for me?"*





# Florida's College Readiness MOOC

## By the Numbers: January through July 2015

- Florida County Participation



County	Number	Count	Number	County	Number
Alachua	3	Glades	2	Osceola	6
Baker	1	Hendry	3	Palm Beach	54
Bay	7	Hernando	1	Pasco	2
Bradford	6	Highlands	1	Pinellas	8
Brevard	2	Hillsborough	12	Polk	11
Broward	1360	Indian River	2	Santa Rosa	5
Calhoun	1	Jackson	6	Sarasota	4
Charlotte	70	Lafayette	4	Seminole	5
Citrus	1	Lake	3	St. Johns	4
Clay	2	Lee	260	St. Lucie	9
Collier	21	Leon	2	Suwannee	2
Columbia	4	Levy	4	Taylor	1
DeSoto	4	Madison	11	Union	1
Dixie	2	Manatee	6	Volusia	10
Duval	5	Marion	2	Washington	9
Escambia	3	Miami-Dade	190	<b>Grand Total</b>	<b>2152</b>
Flagler	2	Monroe	2		
Franklin	1	Nassau	1		
Gadsden	1	Okaloosa	2		
Gilchrist	2	Orange	9		

# Florida's College Readiness MOOC

## By the Numbers: January through July 2015

- Most popular areas of study (descending order):

**Reading, Writing, and Mathematics**      **2,083**

**Mathematics**      **483**

**Reading and Writing**      **456**

**Reading**      **193**

**Writing**      **105**

**Writing and Mathematics**      **103**

**Reading and Mathematics**      **72**



# Florida's College Readiness MOOC

By the Numbers: January through July 2015

- Age Distribution

**under 12:**      **6**

**12-18:**        **857**

**19-24:**        **585**

**25-34:**        **877**

**35-44:**        **579**

**45-54:**        **404**

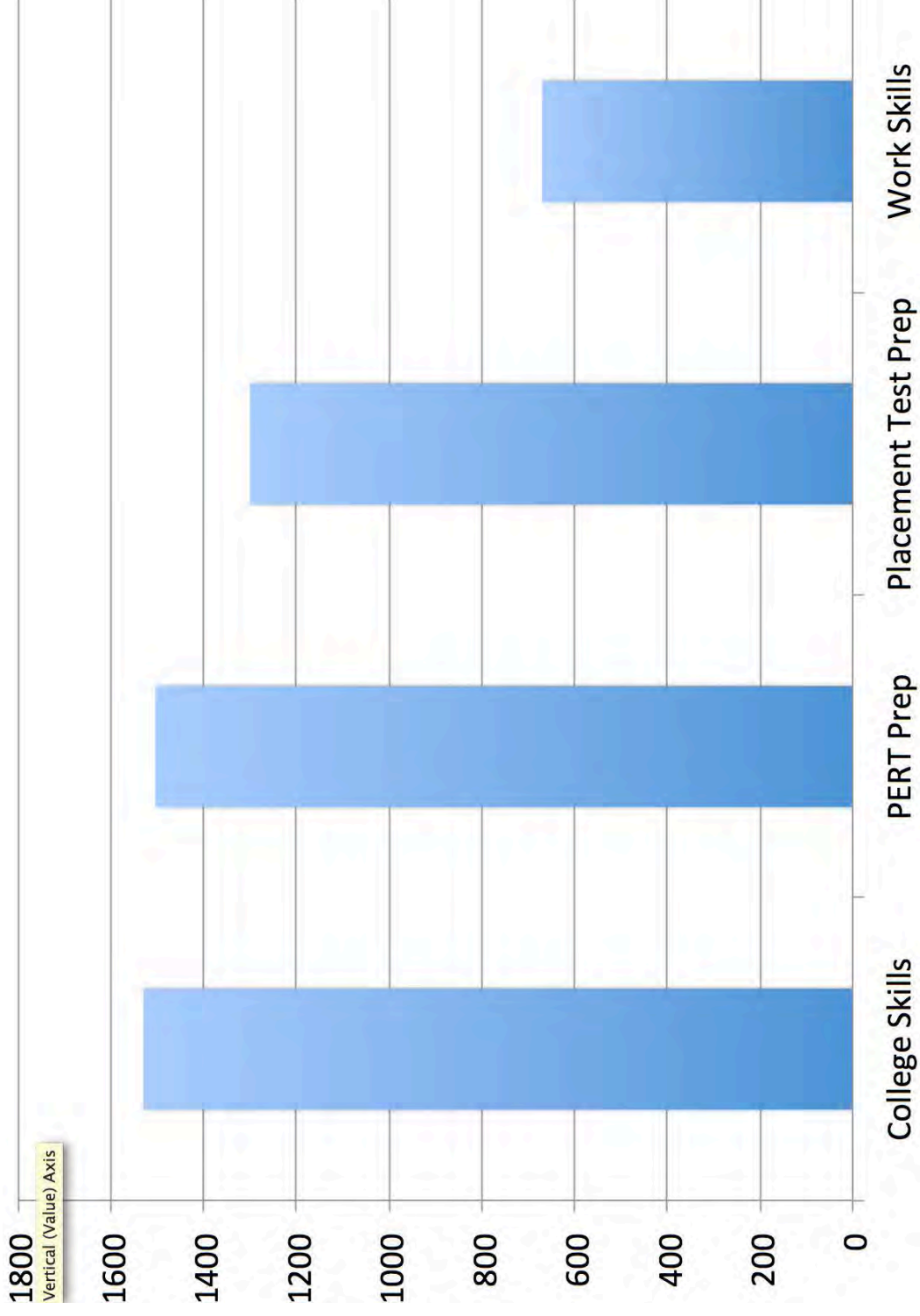
**55-64:**        **140**

**65 or older:**      **36**



# Florida's College Readiness MOOC

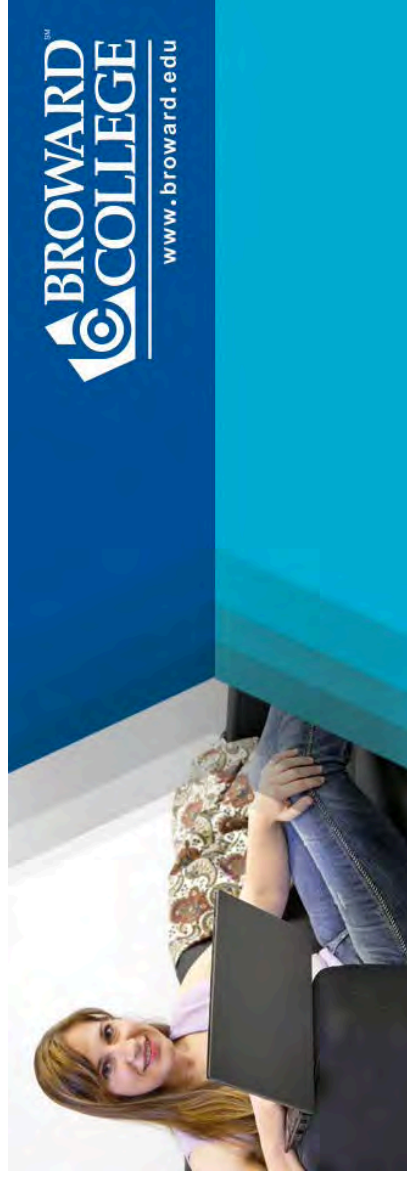
By the Numbers: January through July 2015



# Florida's College Readiness MOOC

## Success and Retention at Broward College for AY 2014-15

- Broward College MOOC student retention rates were **12% higher** than the non-MOOC comparison group.
- MOOC students contributed to Broward College's gateway success rates increasing by 1% and retention by 3%.
- Gateway course success in English increased by 3% for MOOC students.
- Gateway course success in Math increased by 2% for MOOC students.



# Florida's College Readiness MOOC

## Surprises!

- “I’ve been consulting with **Sandra Cooper from UCF** on developing an OER version of ENC1101. They would love to use our whole Writing MOOC as part of their course.”  
**Professor David Hennessy, Broward College.**
- “I am working on a **short course for high school and would love to use the game format** you used. I was very impressed with the layout of your course. Thank you.” **Margie Garcia, MOOC Student and Educator.**
- Allison Academy – **Year 13 Preparation & Transition to College**



# Florida's College Readiness MOOC

## Surprises!

- ENC1102 Composition II Master Course for Broward College Online

*Impacting 1,500 ENC1102 Composition II students annually!*

**BROWARD COLLEGE**  
**ENC1102 COMPOSITION II ONLINE 5249**

Course Home | Content | Discussions | Assignments | Assessments | GR

Updates >

Announcements | ▾

Unit 2 Comparison & Contrast ▾ ×  
Posted Sep 10, 2015 2:17 PM

Content Browser | ▾

Unit 3: The Research Paper | Home

Lesson 2

- Lesson 2: Developing an Argument
- Lesson Game! Review how to write an argumentative thesis

# Florida's College Readiness MOOC



# Thank you!

**Dr. David Shulman, Campus President**

Broward College Online – Florida's Global Campus  
& The Willis Holcombe Center, Ft. Lauderdale

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