

Data-Driven Approaches to Higher Education



Target Knows You're Pregnant



Introduction to Communications (COM 101 Borden)

Instructor: Jeff Borden

Tools: Course Admin Gradebook Email Live Doc Sharing Dropbox Journal Webliography Help



Week 2 Weekly Tasks Assignment Lecture: Credibility Lecture: Thesis Development Lecture: Outlines Lecture: Transitions Informative Self-

Report Discussion Reading:

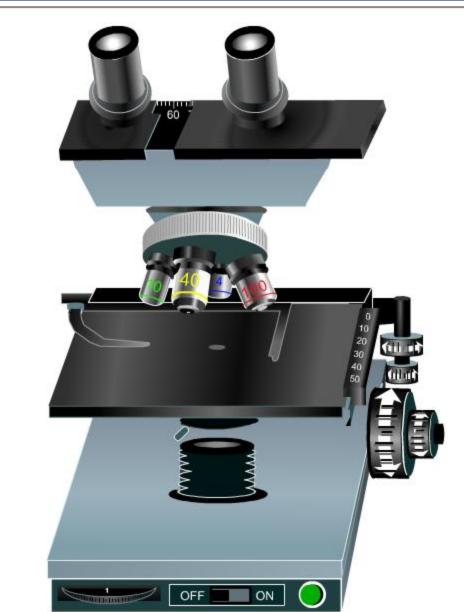
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You are Looking at the microscope

switch views

checklist

getting started



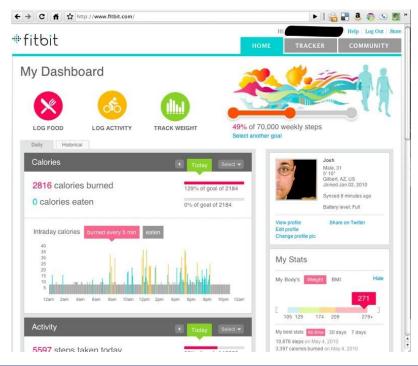






Online Gym Class









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Course

Syllabus Introductions

Course Home

Virtual Office

Instructor Bio FAQ's Basic Speech Information

YouTube

Space Readiness Quiz

Week 1

Week 2

Weekly Tasks

Lecture: Outlines

Informative Self-

Report

Discussion

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Reading:

Lecture: Transitions

Assignment Lecture: Credibility Lecture: Thesis Development

Camera Help

Speech Ideas

Class YouTube

Webcam Video Help*

Author

Introduction to Communications (COM 101 Borden)

Chinese-Mandarin

Language Sought:

Instructor: Jeff Borden

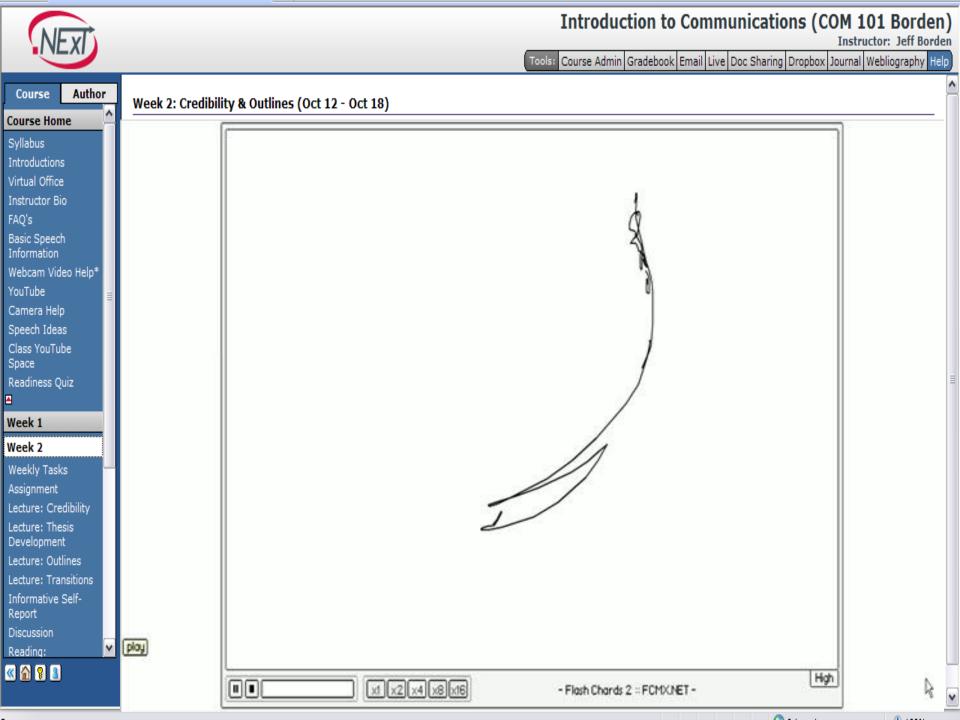
Tools: Course Admin Gradebook Email Live Doc Sharing Dropbox Journal Webliography Help



Write a blog and receive corrections and feedback

Talk to them via Skype

Find a language partner



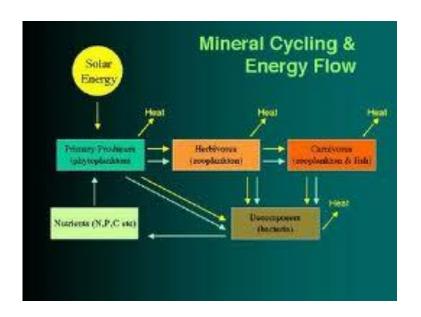
That's SO 1992...

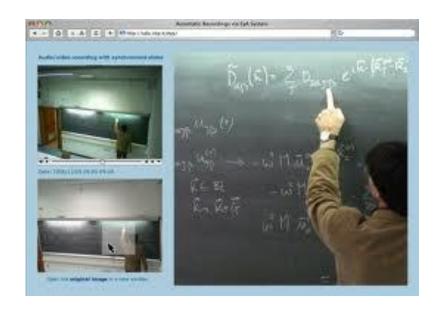
- What's the best way to lecture & assess my (9, 90, 900) students in class?
 - Sincerely, 1992
- What's the best way to do what I r in the classroom online?
 - Sincerely, 2002
- What's the best way to le
 - Sincerely, 2012



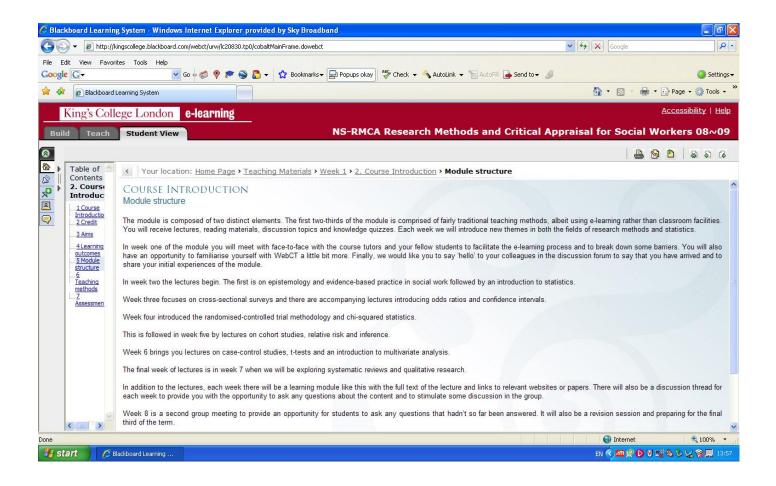


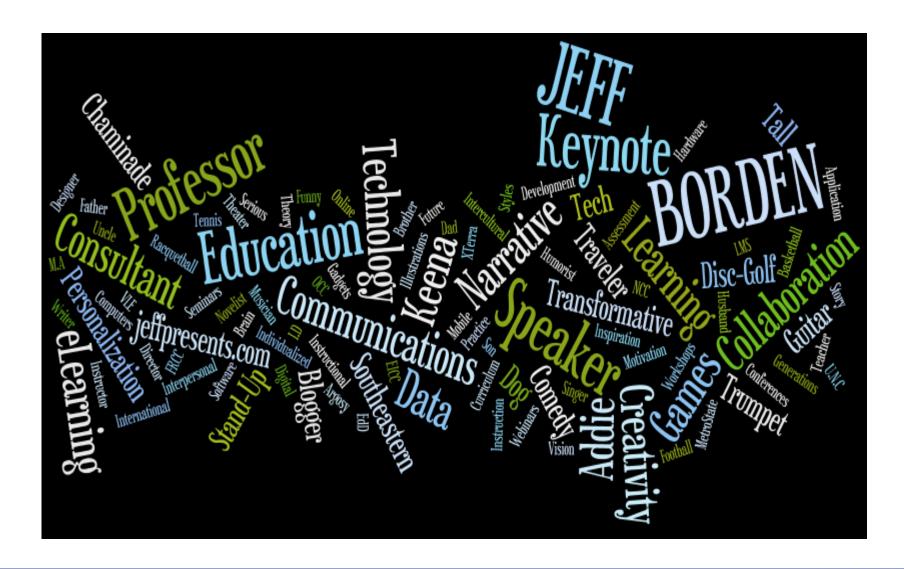
Online Education: At Best

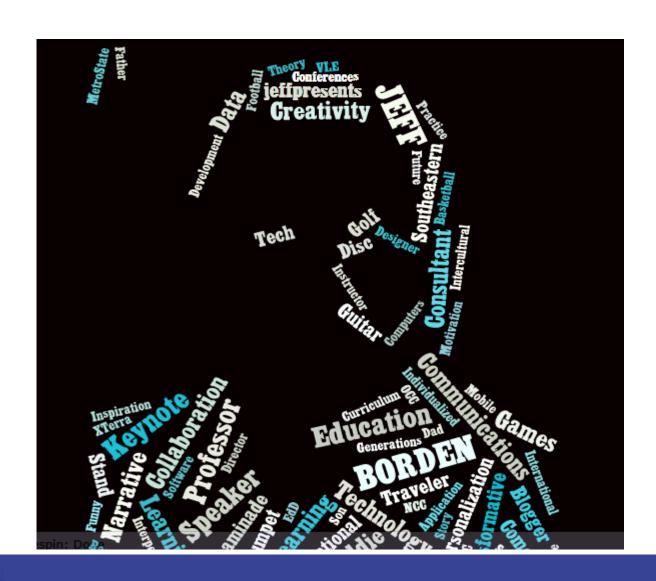


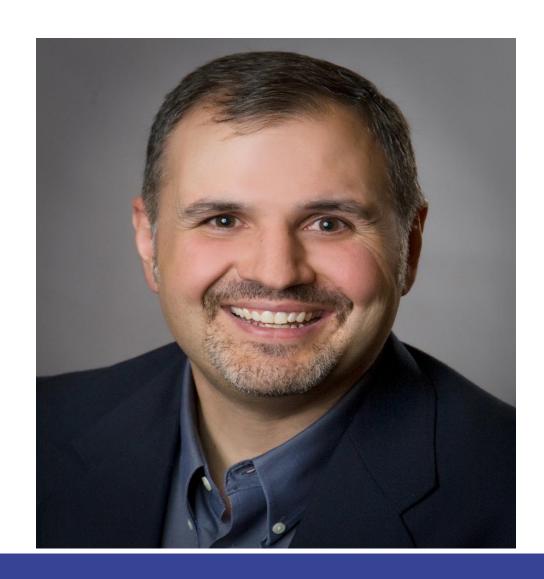


Online Education: At Worst









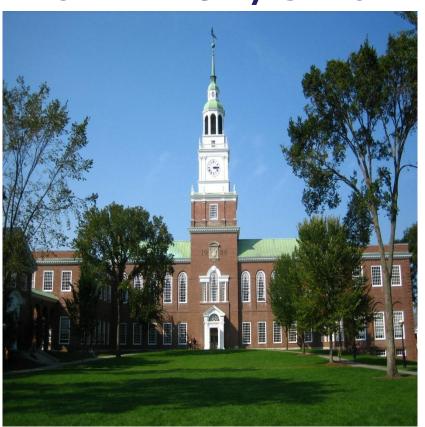
Data



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By The Numbers

6.1 Million / 97%



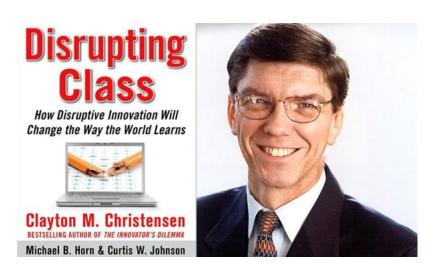
620,000 / 66%



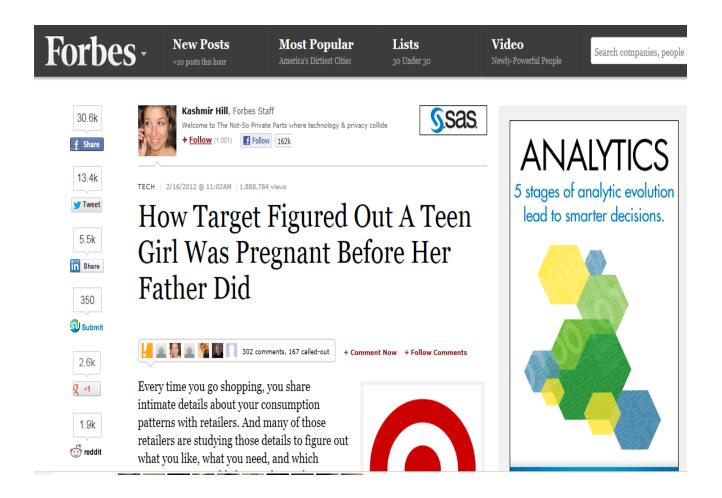
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e-VOLVING EDUCATION

- "By 2019, 50% of all high school classes will be taken online."
- Disrupting Class, Clayton Christensen, McGraw-Hill © 2008



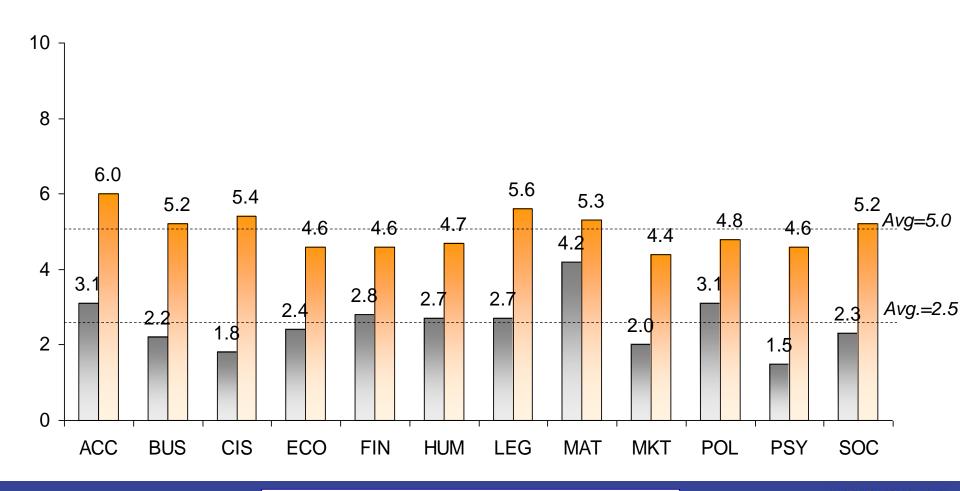
Technology = Data



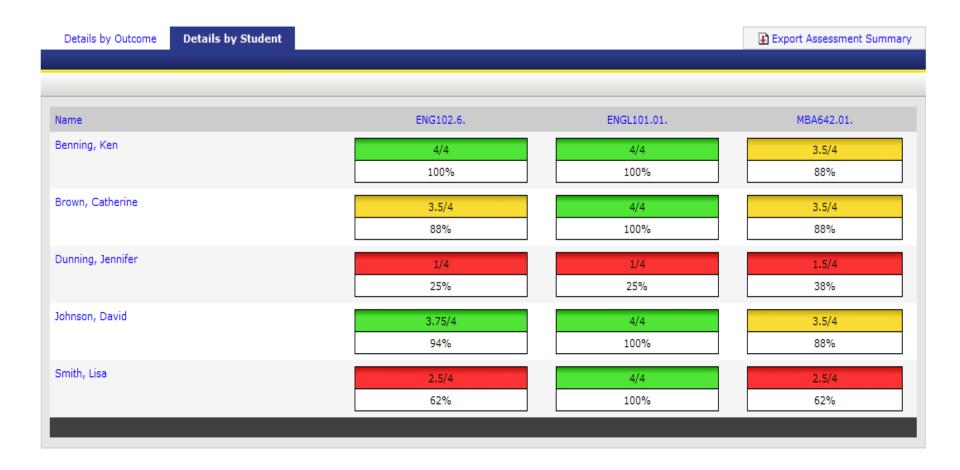
A16W National ASales Meeting PEARSON

Actionable Data



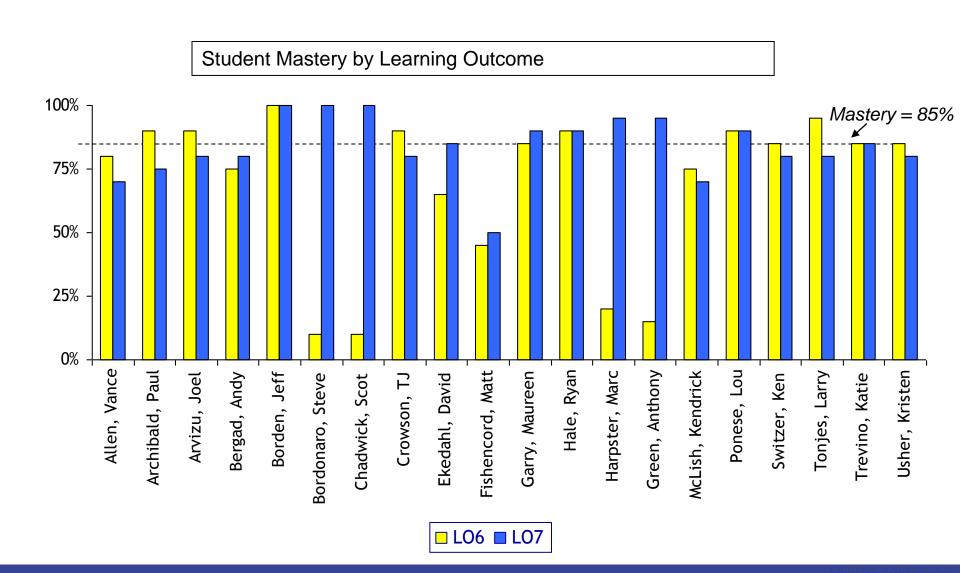


Actionable Data

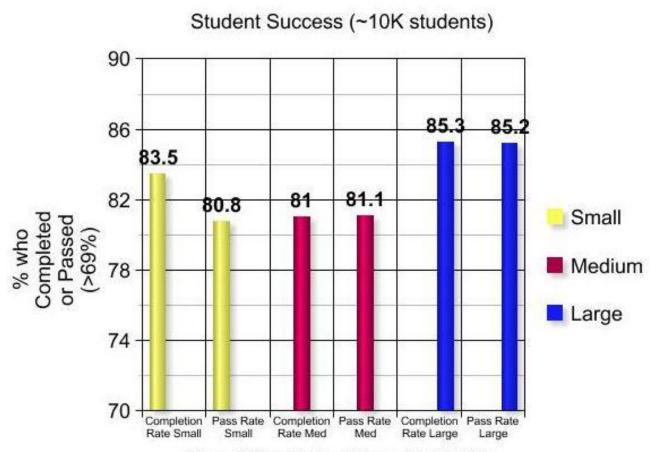


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Actionable Data

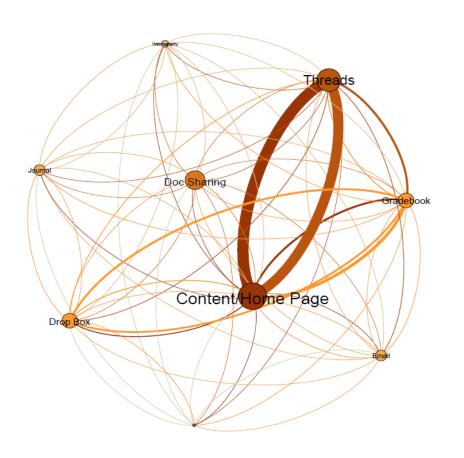


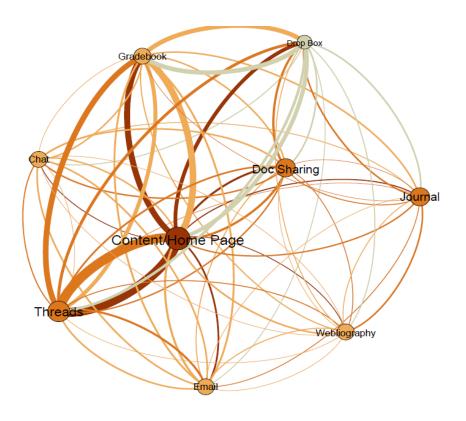
Does Online Class Size Matter?



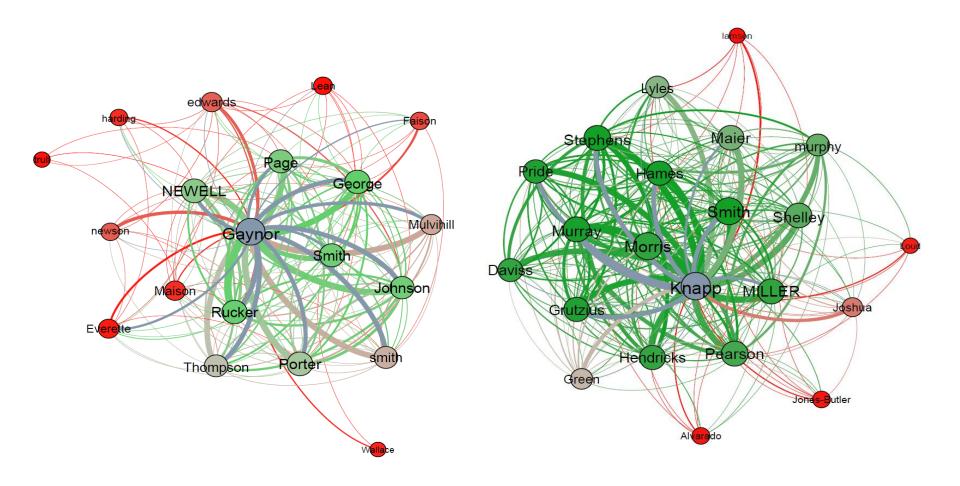
Completion Rate / Pass (Fail) Rate

Course Path

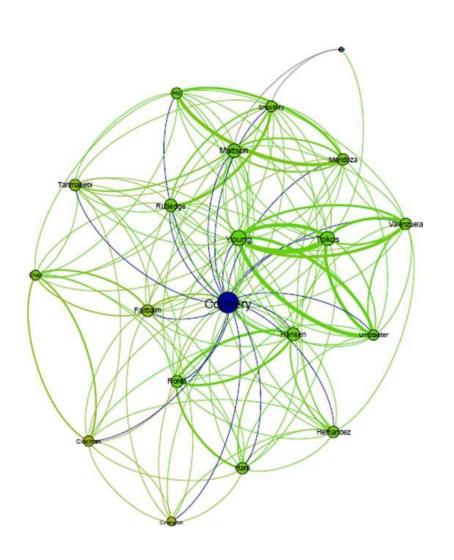


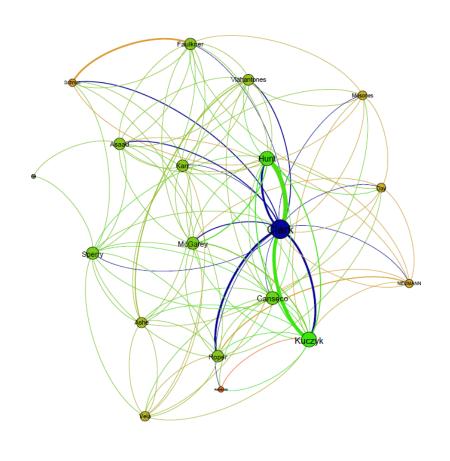


Social Interaction

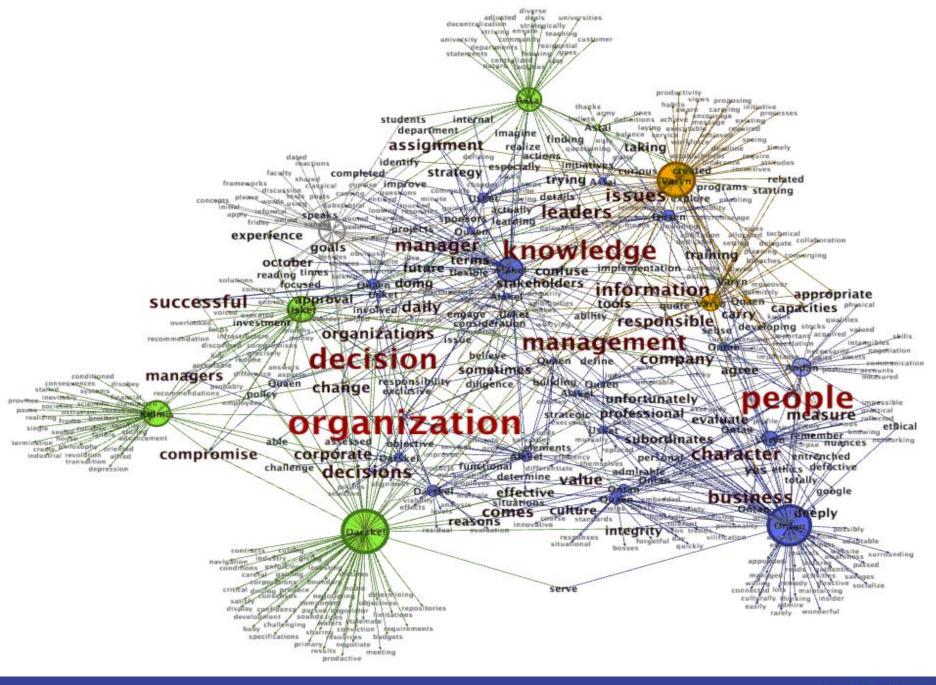


Collaboration Graphs





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DISCUSSION

TOPIC SPREAD & SWELL







- (3) Expand
- (2) Elaborate
- (1) Explain
- (0) Participate

- (3) application —
- (2) transfer -
- (1) absorption -

KNOWLEDGE ACTIVITY



CHALLENGE





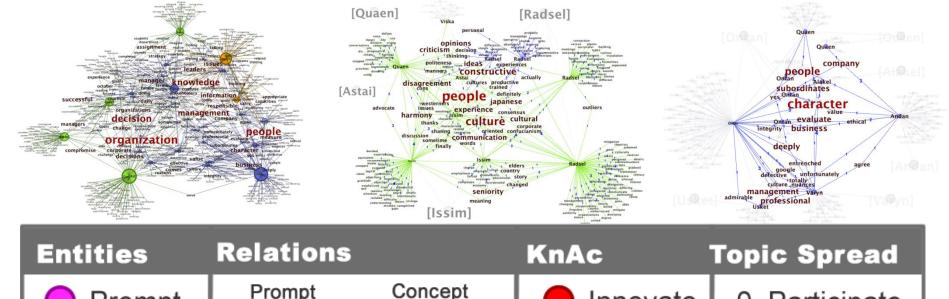
Asks a question or prompts in a new direction.

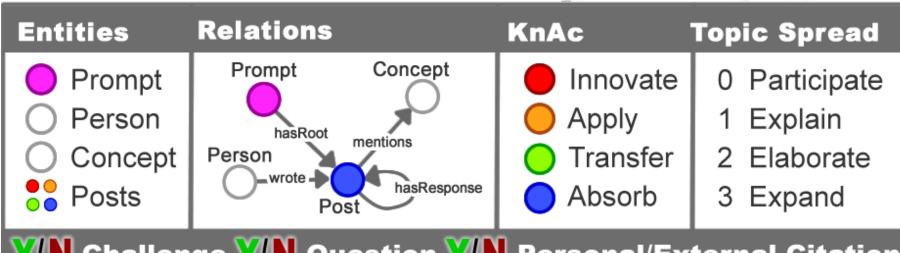
EXTERNAL CITATION

Cites outside source as evidence or to make a point.

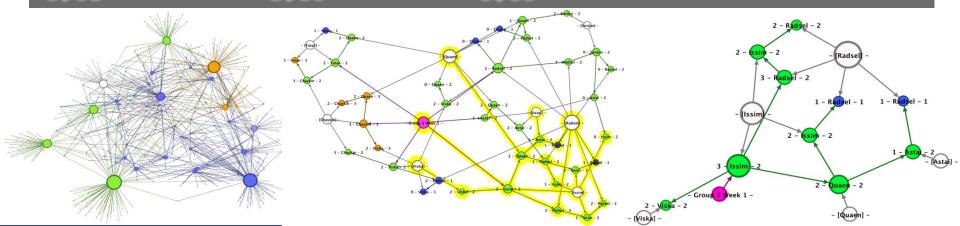
PERSONAL CITATION

Uses a personal story or experience to make

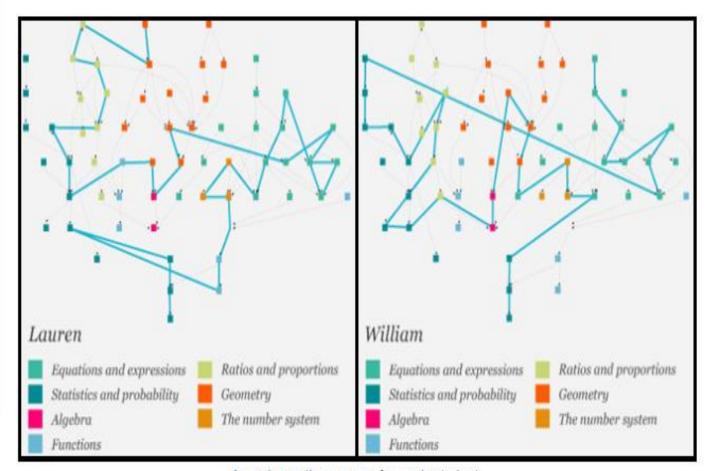








Personalized Learning



Learning pathways vary for each student

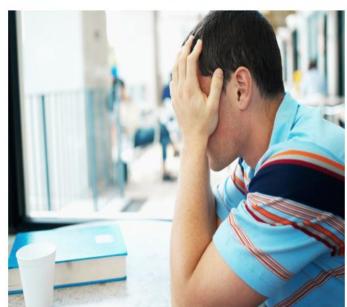
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Inventories

How Important is Grit in Student Achievement?

October 2, 2012 | 11:57 AM | By MindShift





When it comes to high achievement, grit may be as essential as intelligence.

By Emily Hanford, American RadioWorks



Personality and Individual Differences

Volume 36, Issue 1, January 2004, Pages 163-172



Emotional intelligence and academic success: examining the transition from high school to university

James D.A. Parker 🎍 🔼 Laura J. Summerfeldt, Marjorie J. Hogan, Sarah A. Majeski

Department of Psychology, Trent University, Peterborough, Ontario, Canada K9J 7B8

http://dx.doi.org/10.1016/S0191-8869(03)00076-X, How to Cite or Link Using DOI

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Dr. Robert Hare / Kevin Huttan: 0-3 Score

- I rarely plan ahead. I'm a spur-of-the-moment kind of person
- Cheating on your partner is OK so long as you don't get caught
- If something better comes along it's OK to cancel a longstanding appointment
- Seeing an animal injured or in pain doesn't bother me in the slightest
- Driving fast cars, riding roller coasters, and skydiving, appeal to me
- It doesn't matter to me if I have to step on other people to get what I want
- I'm very persuasive. I have a talent for getting other people to do what I want
- I'd be good in a dangerous job because I can make my mind up quickly
- I find it easy to keep myself together in situations when others are cracking under pressure
- If you're able to con someone, that's their problem. They deserve

A29W National ASakes Meeting PEARSON

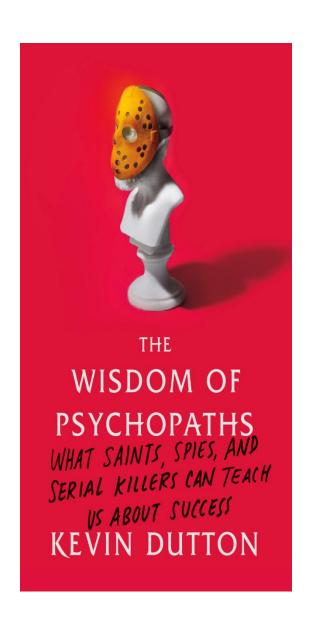
Are You A Psychopath?

- 0-10: Low
- 11-15: Below average
- 16-20: Average
- 21-25: High
- 26-30: Very high

PEARSON

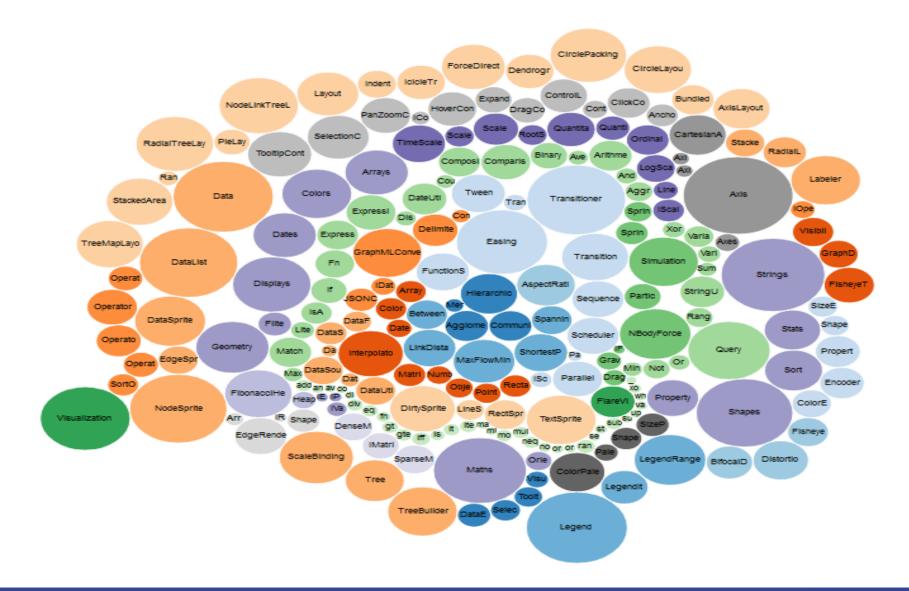


The Best Surgeons?

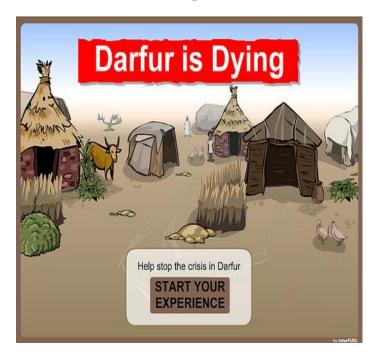


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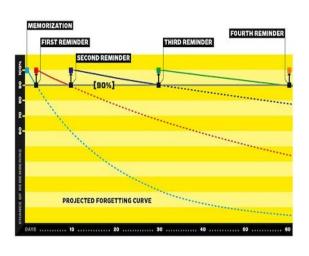
Learning Analytics



Best Way?

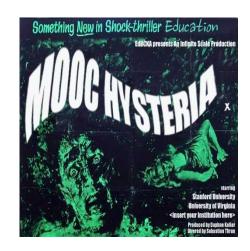












A3.4W National ASales Meeting PEARSON



Thank You

Dr. Jeff D Borden jeffb@ecollege.com



Proctor









Seeing the student.



Seeing what they are doing.



Knowing who they are.

Proctor

Real People. Real Proctoring.



- Test Centers
- Live Online Proctoring
- Record and Review
- Authentication Only
- Lockdown Browsers Only

200+ Partners

Including these partners from Florida

















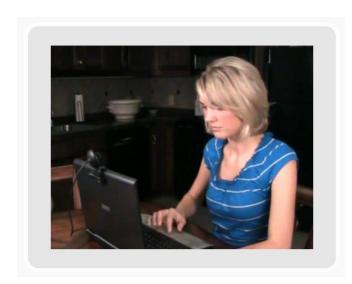












Questions?





Learning Studios: Play in the Sandbox Before Building Your Castle







Teachers teach



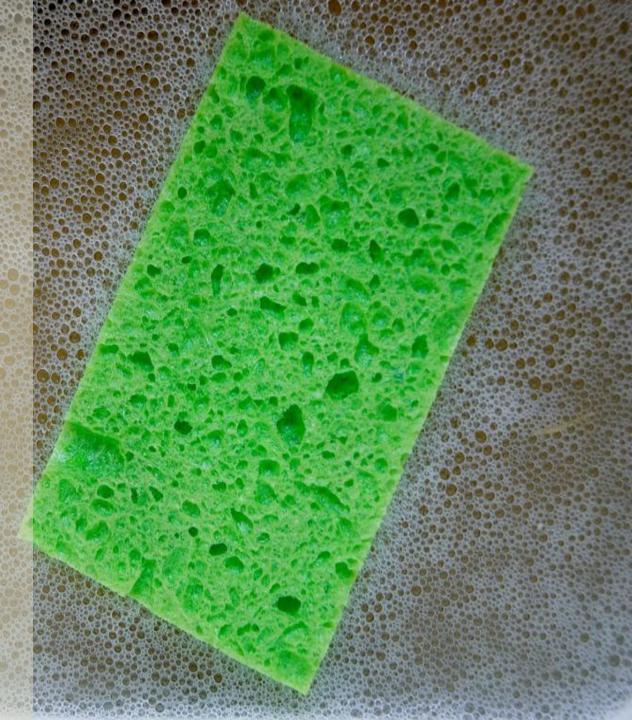


Focus on providing good information



Instead of stimulating good questions

Rather than student as a sponge





Instructors knowledge should elicit student understanding

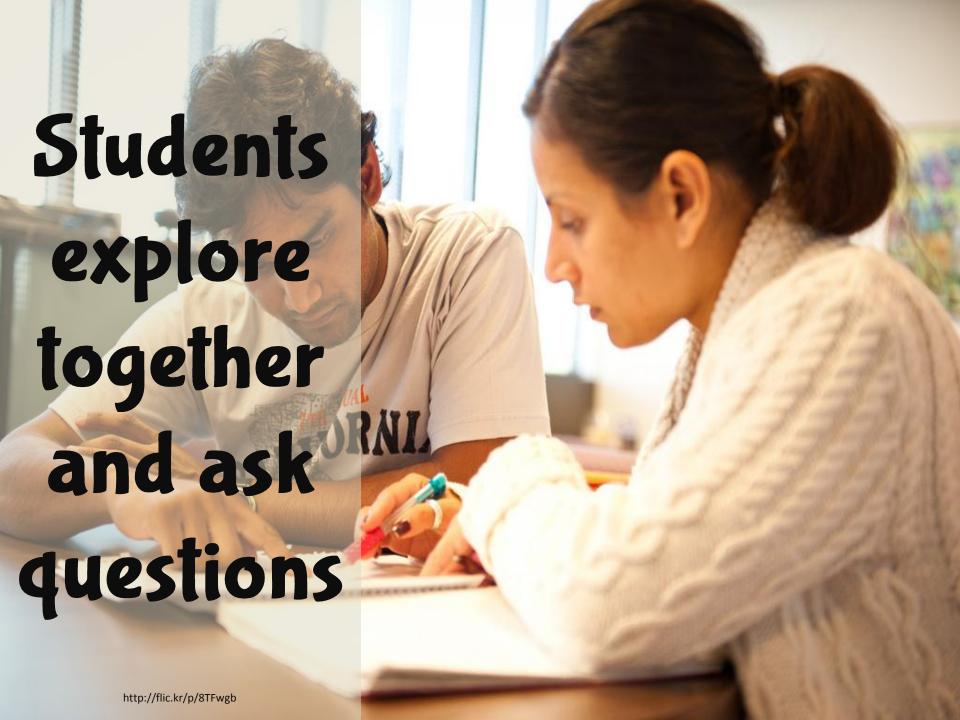


Encourage participation and interaction



Students engage and learn







Thus developing lifelong interest as learners

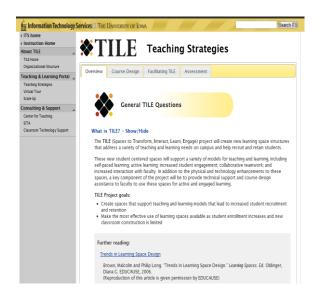








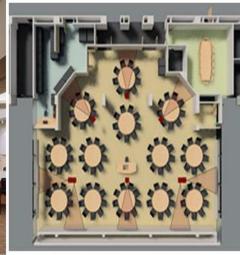
Inside Active Learning Classrooms







TEAL classroom supporting team engagement



TEAL classroom layout, top view







But what about distance students?





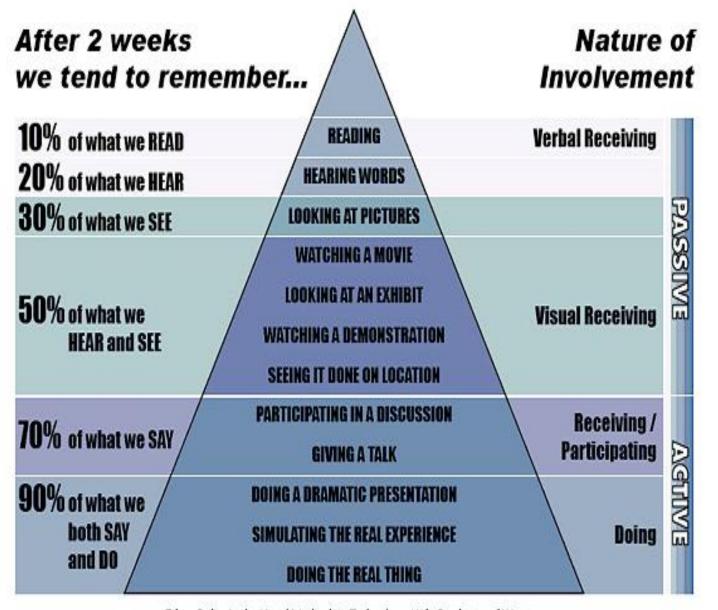
Student Viewing Experience Improved

- If the instructor is interesting
- If the content is interesting
- If the instructor moves around the room
- If there are changes in tone and animation
- If it is "Edutainment"
- If a response is possible (clicker, polling, etc)

Still and a second and a second



Cone of Learning (Edgar Dale)

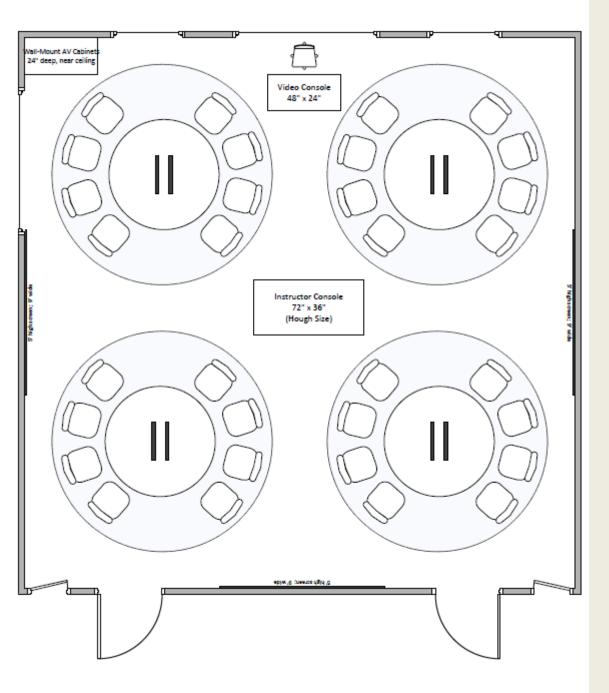


Active Learning From a Distance

What if remote students could ...

- Ask questions?
- Work in teams?
- Have real presence?
- Discuss and present?
- Debate and interact?





Active Learning Studio Classroom Design

Goals

- Increase access
- Influence teaching practices
- Use innovative and engaging instructional methods
- Improve teaching effectiveness
- Increase student knowledge retention

What is the Impact Of Physical Space On Virtual Space?

- How does space influence teaching?
- What are the teaching practices of instructors using the space
 - Instructor focus versus student focus
 - Content delivery versus content construction
- How are students learning within and outside the space?
- What is the student connection to peers and instructors?

Learning Spaces Research ProgramSM



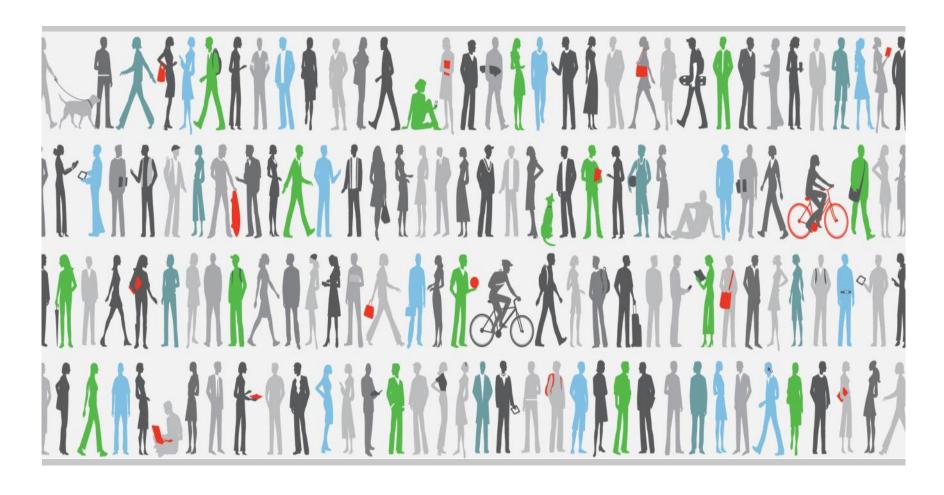


Research Constructs

Student & Faculty Experience

Comfort Convenience Support for Learning	Method Technology & Tools Flexibility Effectiveness	Style Technology & Tools Flexibility Effectiveness	Communication Collaboration Interaction Sense of Community
Basic Human Needs	Teaching	Learning	Engagement

The Power of 3,000



Proof of Concept

Collaboration / Communication Student	Typical Classroom	Learning Studio	Change
In the classroom, I am comfortable asking questions and contributing to the classroom discussion	68%	77%	+9%
The classroom is effective for group work	48%	86%	+38%
The classroom helps students effectively communicate with faculty during class time	63%	75%	+12%
	(Percentages who res "strongly agree" or "a		

Implementing Active Learning

- Start small and find low cost options
 - Furniture
 - Software
- Seek gift or grant funding
- Phase in development
- Faculty development and support

Phases of Implementation



- Room remodel
- Fewer chairs
- Update carpet, paint
- Changing teaching strategies (easing in)
 - Instructor as facilitator
 - Team-based activities

Phase 2: Getting Started

- Round tables and teams
- Team computers connected
- Dual projectors/whiteboards
- Schoolvue/Doceri
- Team-based learning
- All students in-room



Phase 3: Full AV System

- Crestron Digital Media
- Inputs
 - Instructor console
 - Team computers
 - Student laptops2 VGA, 1 HDMI per team
 - Capture HD
- Any input to any output



Phase 4: Adding Remote Students

- In-room video
 - Four HD PTZ cameras
 - HD video switcher
 - Integrate to Crestron controls
- Remote student capability
 - Adobe Connect
 - Crestron Capture HD

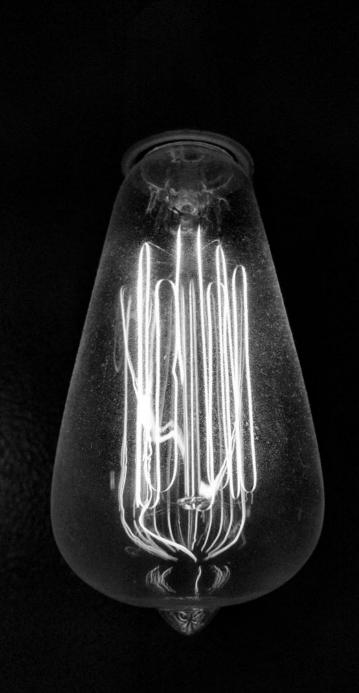


Faculty Development and Support

- Team-based learning training and support
- "Active learning" faculty learning community
- Shared experience sessions

• In-room support





A dream is your creative vision for your life in the future. You must break out of your current comfort zone and become comfortable with the unfamiliar and the unknown.

Denis Waitley

We keep moving forward, opening new doors, and doing new things, because we're curious and curiosity keeps leading us down new paths.

Walt Disney

I have not failed. I've just found 10,000 ways that won't work.

Thomas Edison

This Room Is Equipped With

Edison Electric Light.

Do not attempt to light with match. Simply turn key on wall by the door.

The use of Electricity for lighting is in no way harmful to health, nor does it affect the soundness of sleep.

Contact



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