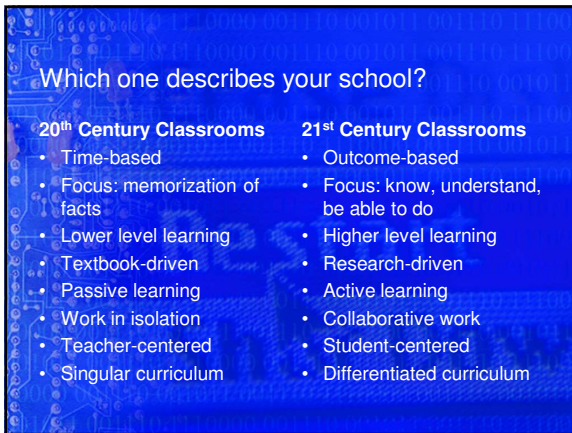


The Changing Face of Education

Ryan G. Zonnefeld, Ph.D.
Board Symposium - Fall 2010



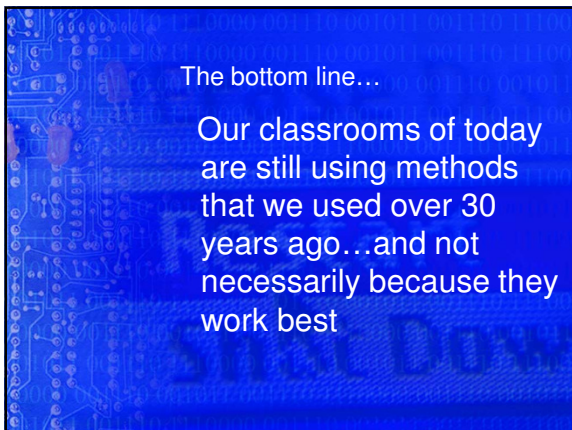
Which one describes your school?

20th Century Classrooms

- Time-based
- Focus: memorization of facts
- Lower level learning
- Textbook-driven
- Passive learning
- Work in isolation
- Teacher-centered
- Singular curriculum

21st Century Classrooms

- Outcome-based
- Focus: know, understand, be able to do
- Higher level learning
- Research-driven
- Active learning
- Collaborative work
- Student-centered
- Differentiated curriculum



The bottom line...

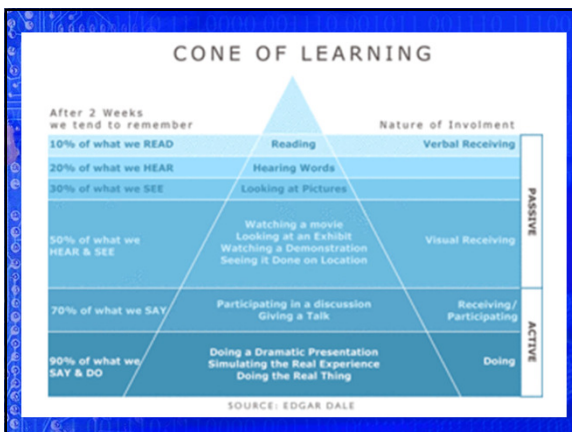
Our classrooms of today are still using methods that we used over 30 years ago...and not necessarily because they work best

Kids have almost no choices at all about how they are educated -- they are, for the most part, just herded into classrooms and told what to do and when to do it.

We all learn differently

Multiple Intelligences	Linguistic	Learning Styles	Visual	Paces of Learning	Fast
	Logical-mathematical		Written		Medium
	Spatial		Aural		Slow
	Bodily-kinesthetic		Playful		
	Musical		Deliberate		
	Interpersonal				
	Intrapersonal				
	Naturalist				

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Tools

- SMART Board
- Document camera
- iPad
- Flash Video
- Kindle
- Netbook
- Real-time assessment - Clickers / Poll Everywhere

Allow cell phones?

- 76% of secondary students have them
- Students won't leave home without them
- A vital skill in the current/ future workforce
- Students want to learn anytime, anywhere
- Little to no cost to schools
- Without boundaries
- Turning a social toy into a learning tool
- Teach students cell phone etiquette
- Go global!

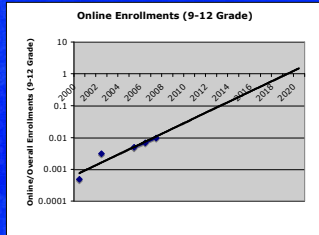
Ontario Christian School Online

<http://www.ontariochristianonline.org/video.html>

What effect does/might the increasing number of online Christian education providers have?

What does it mean to teach Christianly?

Online learning gaining adoption



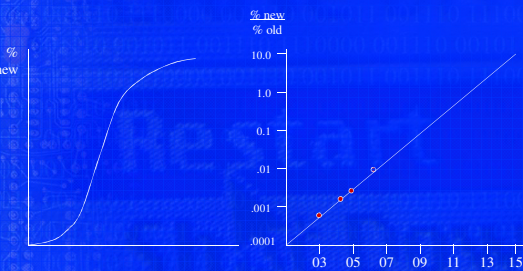
Enrollments up from 45,000 in 2000 to 1,000,000 in 2007

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The substitution of one thing for another always follows an S-curve pattern



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Obstacles

- The risk of admitting what we don't know (Rex Miller)
- The risk of giving up what we do know (Rex Miller)
- System of incremental change in need of bold change
- Digital literacy is not an option
- Need to teach according to how students learn

The way forward

- New systematic vision of teaching & learning
- Key question: What does it mean to teach Christianly?
- Leadership – board and empowered administrator
- Capacity-building in/for teachers
- Risk-taking is encouraged
- On or off the bus?

Practical implications on the road forward

- Self-sustaining funding
- New measurement tools of success
- New outlook on data
- Seat time
- Mastery/Performance-based
- Student: teacher ratio
- Teacher certification
- Human resources pipeline and prof. development
- Broadband/wireless infrastructure
- Portal/Based on usage and what works
