The Changing Face of Education

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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

- **Linguistic**
- **Logical-mathematical**
- **Spatial**
- **Bodily-kinesthetic**
- **Musical**
- **Interpersonal**
- **Intrapersonal**
- **Naturalist**

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**Multiple Intelligences**

- **Learning Styles**
  - Visual
  - Written
  - Aural
  - Playful
  - Deliberate

- **Paces of Learning**
  - Fast
  - Medium
  - Slow

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**CONE OF LEARNING**

- After 2 Weeks we tend to remember
- Nature of Investment
  - 50% of what we READ
  - 30% of what we SEE
  - 20% of what we HEAR & SMELL
  - 10% of what we SAY & DO

*SOURCE: EDWARD DALLE*
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

Online Enrollments (9-12 Grade)

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

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

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