

“The role of the leader is to do his or her best to peer over the horizon seeking to understand the trends and events that will affect our students, our families, and our schools so that we can position them to serve Christ effectively this century.”



Quote: B. Mosbacher

The Christian School in 2025

What are the implications of past educational changes, current practices, trends, and predictions?




Presenter: Dr. R. Mark Beadle, CEO, Sevenstar


LAST DAY - BY PAINTER5



What US State, Canadian Province, or are you working in?

 Text **21101** and your
message to **22333**

 Tweet **@poll 21101**
and your message

 Submit **21101** and your
message to **http://poll4.com**

"Ohio"

5 days ago



Pizza ordering in 2015



The Christian School in 2025

“It will be different!”

Agenda

- To look back so we can look ahead
- To examine
 - current realities
 - trends
 - predictions
- To present implications
- To discuss audience viewpoints

How have Christian Schools changed in the last 15 years?

- Higher academic expectations for rigor and options
- Eroding parent support
- Parents have less willingness to prioritize finances to attend Christian Schools
- More college prep Christian schools available (More options overall)
- Facilities and athletics rule the day
- Technology in the classroom and out of the classroom
- Christian schools are becoming more racially diverse

Todd Clingman-[North Cobb Christian School](#)

How have Christian Schools changed in the last 15 years?

- Expectations of parents have increased and this includes the areas of academics, facilities, school culture, programs and diversity of offerings.
- Business management and HR affairs in schools have become more significant in the life of the schools and an arena where issues are increasingly litigated.
- Development and financial aid have become increasingly important to the sustainability of schools.
- Leadership skills are remarkably important and schools cannot function long without a strong set of both professional and personal tools.


How have Christian Schools changed in the last 15 years?

“From a philosophical standpoint though, change has still been slow.


Many still think in the traditional school lockstep model with the teacher being the primary provider of knowledge. They see technology based curriculum as supplemental, but are slow to embrace it as the primary source of curriculum.

I have noticed a positive change in the past 2-3 years, particularly as the older generation of school leaders give way to the younger crowd, but change is still slow.”

How have Christian Schools changed in 15 years?

 Text **21276** and your
message to **22333**

 Tweet **@poll 21276**
and your message


 Submit **21276** and your
message to **<http://poll4.com>**




How has technology in schools changed in the last 15 years?

- Notebooks (now netbooks) had just started on the K12 educational scene
- Cell phones for administrators, teachers, students
- Smart phones
- iPads and e-readers
- Electronic communication with parents
- Costs have decreased
- Web pages
- The internet is available

How has technology in schools changed last 15 years?

 Text **21373** and your
message to **22333**

 Tweet **@poll 21373**
and your message

 Submit **21373** and your
message to **<http://poll4.com>**

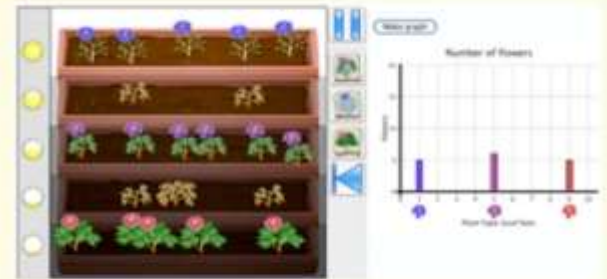


Current Practices



8 Ways Technology Is Improving Education

1. Better Simulations and Models
2. Global Learning
3. Virtual Manipulatives
4. Probes and Sensors
5. More Efficient Assessments
6. Storytelling and Multimedia
7. E-books
8. Epistemic Games



Students plant seeds in the Virtual Greenhouse and observe what thrives under different conditions.

Have you heard of [Khan Academy](#)?

[An amazing web site](#)

Here is one response after watching this-

“Please let this be the way schools function
when I have kids.”

“A Global One World School—
that is essentially what we are
trying to build.”

What do your Parents want?

- [Speak Up survey highlights gaps in support of ed tech](#)
 - More than half of parents said they support the use of [mobile devices](#) for academic purposes inside their children's classrooms and would even consider buying such a device for their children-
 - While more than half of school administrators said they are not in favor of students using their own mobile devices in school
 - The survey also noted a major gain in parental support for online textbooks, which two-thirds of parents now view as a positive enhancement to education, up from 21 percent in 2008.
 - Five times more parents this year would choose online classes for their child's ultimate school than in 2008.

What do your students want?

- The survey revealed that students want more interactivity and collaboration in their studies
- 53 percent of middle and high school students said the largest obstacle they face in using educational technology today is not being able to use their own cell phone, smart phone, or MP3 player for learning in school.
- “Is your school doing a good job using technology to enhance learning and/or student achievement?” While 74 percent of high school teachers and 72 percent of high school principals said yes to this question, only 47 percent of high school students agreed.

“They’re small computers that just happen to do phone stuff.”

Part of the rationale for allowing cellphones back into Toronto classrooms. Canada’s largest school board banned the distracting devices four years ago, but reversed the decision on Thursday.

The thinking? Smart phones might help make kids smarter.

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What do schools say?

- More than 9 out of 10 education officials agree personalized pacing for students could help raise achievement levels
- Six out of 10 say their district wants to deliver virtual courses
- Nearly half say students are not able to take all the courses they want or need because of conflicting schedules or lack of available staff.

Poll by [Scholastic and Blackboard.](#)

Archbishop Timothy Dolan

“It is time to recover our nerve and promote our schools for the 21st century. The current hospice mentality—watching our schools slowly die—must give way to a renewed confidence.”

9/13/2010

Four Great Fallacies of Today's System

1. Students cannot learn without teachers
2. Learning does not happen outside of the classroom
3. Completion equals competency
4. When you graduate, you are done learning

From the US National Educational Technology Plan (2010)

- The last decade has seen the emergence of some radically redesigned schools, demonstrating the range of possibilities for structuring education.
- These include schools that organize around competence rather than seat time and others that enable more flexible scheduling that fits students' individual needs rather than traditional academic periods and lockstep curriculum pacing. In addition, schools are beginning to incorporate online learning, which gives us the opportunity to extend the learning day, week, or year.
- Online learning options should be provided to enable leveraging the best teaching and make high-quality course options available to all learners.
- As online learning becomes an increasingly important part of our education system, we need to provide online and blended learning experiences that are more participatory and personalized and that embody best practices for engaging all students.
- The use of online learning and combining offline and online learning to provide options for flexibility, additional learning time, and more effective use of the time allotted should be explored.

As educators, we need to realize

- “that learning can (does) now take place 24/7, with or without us, and
- that young people come to school knowing much more than we do in some areas.
- They have the potential to learn anything they want to learn at any time they want to learn it.”

From: [A Futuristic Vision for 21st Century Education Sheryl Nussbaum-Beach](#)

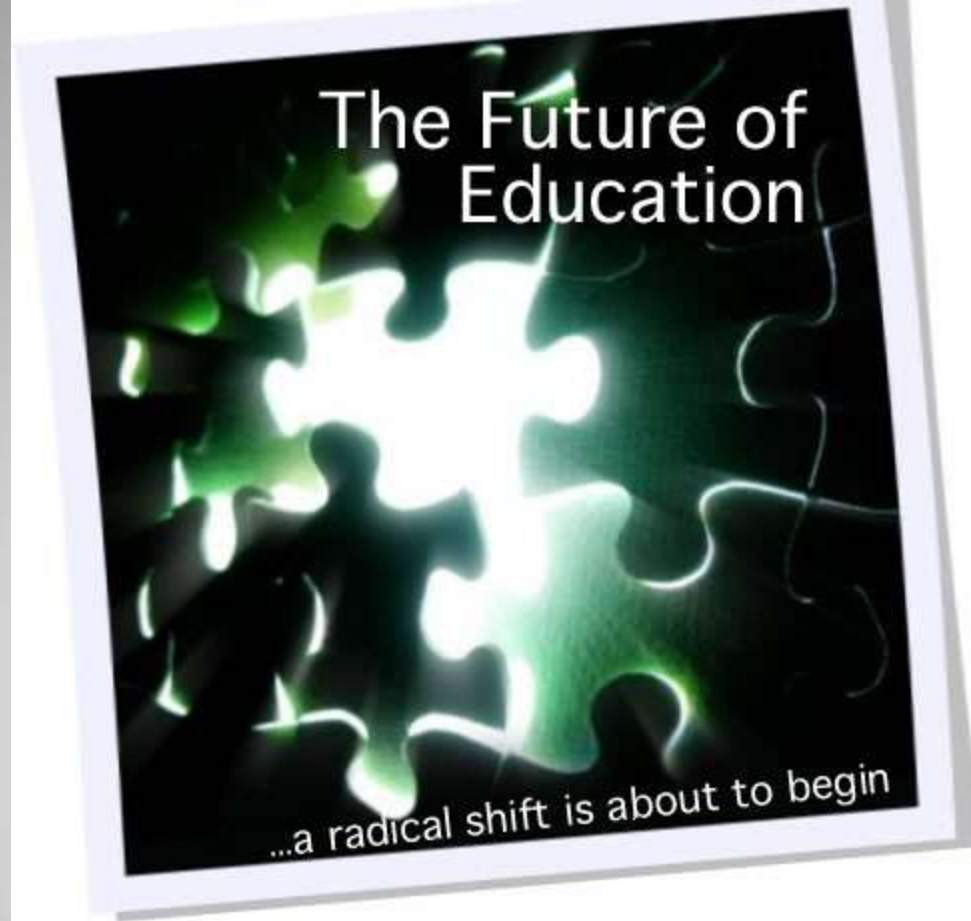
The Rise of K-12 Blended Learning

Blended learning is

- **any time a student learns at least in part at a supervised brick-and-mortar location away from home**
- ***and* at least in part through online delivery with some element of student control overtime, place, path, and/or pace.**

Trends and Predictions





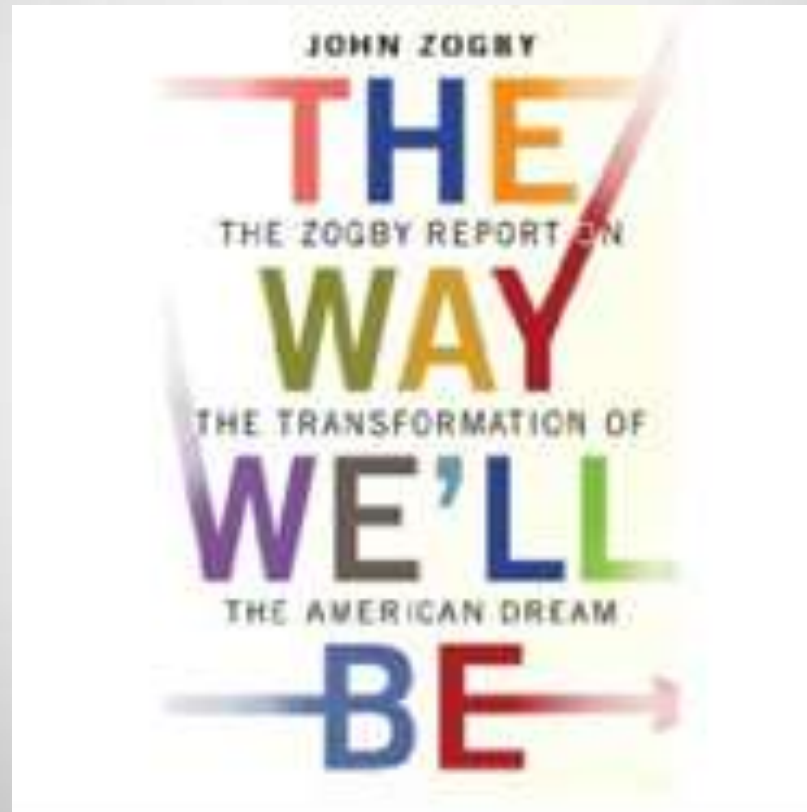
“Future education systems will be unleashed with the advent of a standardized rapid courseware-builder and a single-point global distribution system.”

The internet has changed everything

“Within the next ten years the global ubiquitous digital network will connect most of the world’s *people, places, information, and things*, which will fundamentally alter the way we *live, work, teach, and learn*. “

– [*Anywhere: How Global Connectivity is Revolutionizing the Way We Do Business*](#) (Emily Nagle Green). (summarized by Barrett Mosbacker)

Looking Ahead



Global, Networked, and Inclusive (First Globals)

- Eighteen to twenty-nine-year-olds care about more than themselves. (add 15 years and these will be our most influential parents, teachers, leaders.....)
- Young adults celebrate diversity.
- The entire world excites them, not just their community or nation on earth. The young think and buy globally (patriotism will not sell products), and they are sensitized to global issues from human rights to AIDS and poverty, even though they might not always command the facts.
- First Globals poll liberal on many issues but they are more devoted than any other age group to finding common ground on tough social issues.
- Just about everything is in the public domain (e.g., through social networks like MySpace and FaceBook), up to an including intimate details of their lives.

New American Dream-The Secular Spiritualists

- Zogby defines "Secular Spiritualists" as those who believe that the American dream is measured in spiritual, not material, fulfillment.
- For at least one in three Americans, spiritual fulfillment is a higher priority than acquisition, ownership, and consumption.
- They buy of course, but they buy in accordance with their re-prioritized lives. Cut the frills, mute the whistles, give good value. It's back-to-basics for this new stealth force of American society.
- Secular Spiritualists are not big spenders even when they can afford to be.
- God matters to many of them, but they aren't building their lives around specifically religious values. They're looking for more meaning, not more doctrines and isms to live by.

Student thoughts on expected change

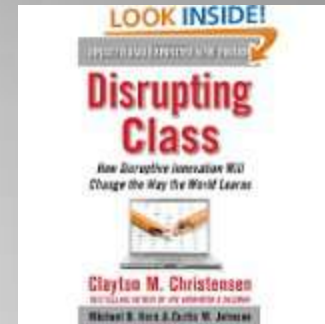
I think it will be almost the same, but with a more advanced use of online classes. There will be many more computers for use for the online classes.

I think there will be more online learning by the year 2015. Teachers will become more of assistants rather than instructors.

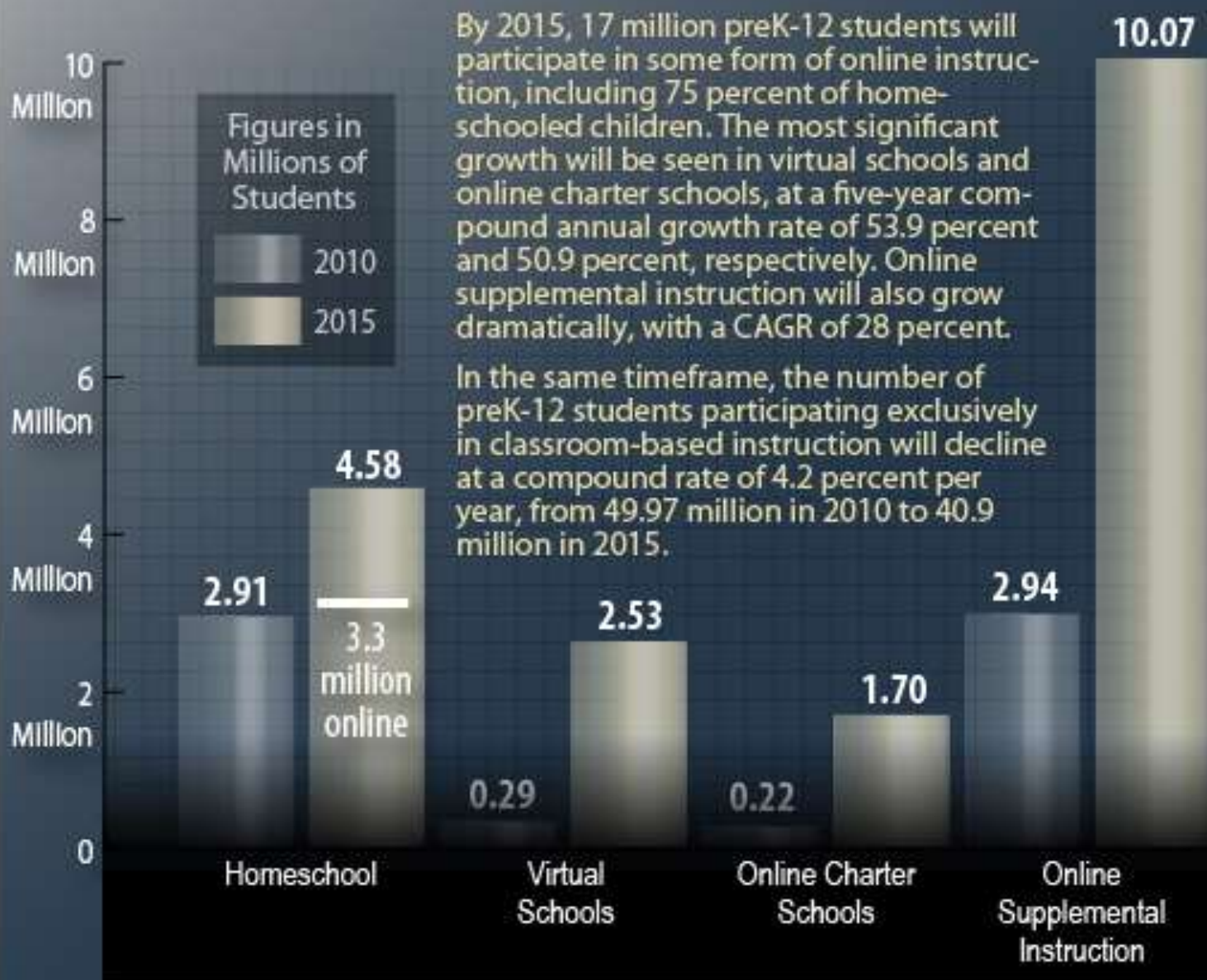
Many people say that in the future, we will have this cyberschool where students interact with teacher and others just through the computer. However, I think the actual "normal" schools will still exist in the future, because even though school is designed for working and learning, it is one of the main things that helps people to become a leader, understand others, and work with a variety of people. However, I do believe that there will be more laptops or devices like Ipads where students will be able to take notes right there.

Disrupting Class: How Disruptive Innovation Will Change the Way the World Learns

- Customized learning will help many more students succeed in school
- Student-centric classrooms will increase the demand for new technology
- Computers must be disruptively deployed to every student
- Disruptive innovation can circumvent roadblocks that have prevented other attempts at school reform



GROWTH OF ONLINE INSTRUCTION AMONG U.S. PK-12 STUDENTS



GRAPHIC COPYRIGHT ©2011 BY DAVID NAGEL

Source: Ambient Insight, "The US Market for Self-paced eLearning Products and Services: 2010-2015 Forecast and Analysis," released January 2011.

The Pivot to Digital Learning: 40 Predictions-10 years (9 now)

With nearly a decade of data, second-generation recommendation engines will drive tutoring applications that are more effective than one-on-one tutoring.

Most high school students will do most of their learning online and will attend a blended school.

More than one-third of all learning professionals will be in roles that do not exist today; more than 10% will be in organizations that do not exist today.

The higher ed funding bubble will burst, and free and low-cost higher education alternatives will displace a significant portion of third tier higher education.

Informal certification systems—portfolio and references—and a “show-me-what-you-have-done-lately” culture will displace some formal technical certification programs.

Many schools (maybe a fifth) will exhibit a new learner-teacher compact, featuring self-directed learning, peer tutoring, and brokered career/community connections.

The Pivot to Digital Learning: 40

Predictions-10 years (9 now) (p.2)

- **Blended high-tech/high-touch school models in every urban area will leverage community resources, including museums, theaters, and parks.**
- **As online options expand, a three-year high school experience including college credit will be common. Early college pathways to degrees/certifications in emerging industry clusters will be common.**
- **Low-cost private schools will serve more than 100 million students in India, China, and Africa. Most will use low-cost mobile learning technology.**

Implications

*“Education is now the
number one economic
priority
in today’s global
economy.”*

We will see education transition from

- Teacher-centric to learning-centric
- Classroom-based teaching to anyplace, anytime learning
- Mandated courses to hyper-individualized learning
- A general population of consumers to a growing population of producers

ISM's 20 Success Predictors for the 21st Century

- The “success-look” of strong private-independent schools in the new century will become substantially different from that of successful schools in the 20th.
- In the 21st century, ISM expects successful private-independent schools to make radical changes in both structure and function in order to achieve and sustain stability and excellence.

The Sydney Centre for Innovation in Learning

Identified six key goals that can make learning relevant to the graduating class of 2025:

- ***Personalize pedagogy***
- ***Recognize the diversity of places for learning***
- ***Empower students***
- ***Value and equip teachers***
- ***Provide purposeful assessment***
- ***Build and shape community expectations***

Challenge for our kids sake!



21st Century Learning

[Watch Now](#) 

support your student's learning environment with netTrekker Search

Resources

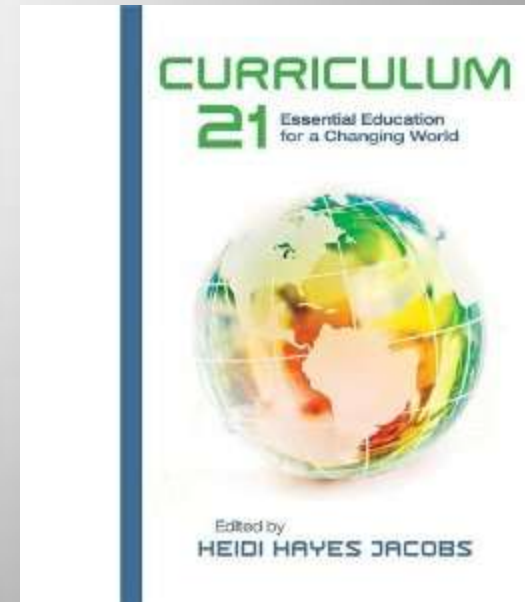
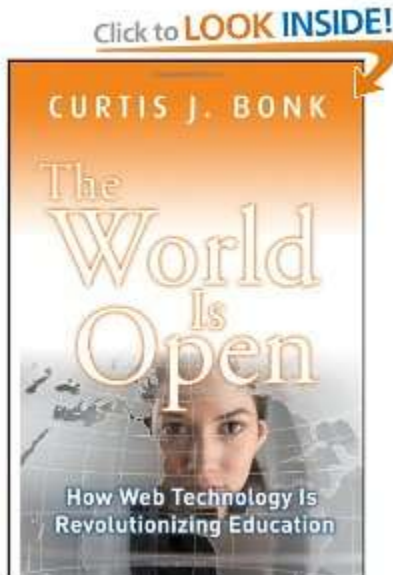
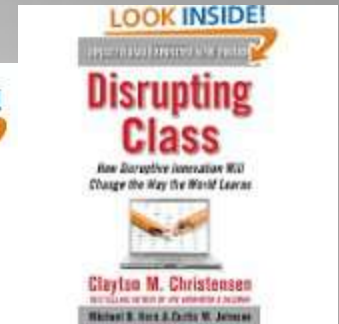
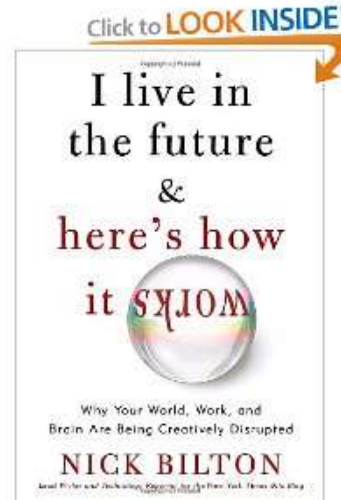
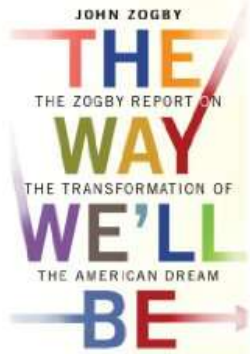
- The dinosaurs never seem to understand the amount and nature of change that is happening in their own markets."

Jeffrey Phillips, writing for [Innovate on Purpose](#)

Discussion Questions

- 1. How do we educate parents on the opportunities and alleviate their concerns of kids sitting in front of a computer all day?
- 2. How will brick and mortar schools operate in 5, 10, 15 years?
- 3. How should school leaders approach their future of innovative education?
- 4. What are the top 3 things that may be obsolete in K12 education in 5, 10 years?

Book



Twitter feeds



@toddahitchcock

@kevingerrior



- **Tech Ed News @TechEdNews**

- **Susan Patrick**  **@susandpatrick**
- **Richard DeLorenzo** **@RichDeLorenzo**

Others

- [The Future of Education](#)
- [Christian School Journal](#)
- [The Christian Educator](#)
- [Electric Educator](#)
- [21st Century Collaborative](#)
- [Futurist Speaker](#)
- [2011 Horizon Report: K-12 Edition & Toolkit](#)
- [GLOBAL TRENDS 2025: THE NATIONAL INTELLIGENCE COUNCIL'S 2025 PROJECT](#)

“The role of the leader is to do his or her best to peer over the horizon seeking to understand the trends and events that will affect our students, our families, and our schools so that we can position them to serve Christ effectively this century.”



Quote: B. Mosbacher

Extras

The new one is much better

<http://www.youtube.com/watch?v=I07xDdFMdgw>

Can you relate to this lifestyle?

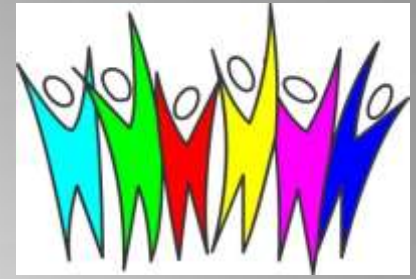
- All of my books, newspapers, and magazines are on my **iPad**. I read, highlight, annotate, and share my reading content electronically.
- I downloaded a book immediately onto my iPad based on a recommendation from the book I was reading at the time.
- I held a **video-call** with my daughter and grand daughter using FaceTime on my **iPhone**.
- I sent an email through **Facebook** to some friends and family. I accepted a connection request with a professional colleague on **LinkedIn**.
- I used the **Yelp** application on my iPhone to find restaurants and read reviews before choosing a place to have dinner. I also wrote my own review on Yelp for the benefit of others.
- I used my **Garmin GPS** to guide me to the restaurant.
- While driving and while dinning, I used an iPhone application called **SoundHound** to identify and order songs to download. I liked the songs but could not remember the titles. SoundHound solved that problem.
- I used an application called **NoteSelf** on my iPad to take notes using a stylus, including notes for this blog article. No paper or pen needed.
- I used the **Evernote** application to send clippings from the books I was reading to my administrative assistant for her to type so that the information could be put into my **Endnote** program for future reference and citation.
- I used **Logos Bible Software** on my computer to study and write a devotional for my faculty.
- I used **Adobe Acrobat** to print the devotional as a PDF. I uploaded it to **Box.net** (cloud storage and collaboration) so it could be shared with our parents with a hyperlink in an email, and then I emailed it to all school staff using **Outlook**.
- I used **Loselt** on my iPhone to track my calories and my running.
- One of the books I was reading referenced a 2004 NYT article on how Apple Outflanked Sony in music players (this had to do with Disruptive Innovation). I went to the NYT website and downloaded the article.
- I am using my laptop to type this article using Live Writer, which I will then post to my blog using the same program.

Zoby Conclusions?



- Americans will continue to define themselves less and less by paid work. "It's who I am, not what I do."
- In the battle between science and anti-science, science wins. No more Terri Schiavos, and no more global warming denial idiocy. Alternative fuels will heat and light our world.
- The church of the future will be a bungalow on Maple Street, not a megastructure in a sea of parking spaces. It's intimacy of experience people long for, not production values.
- The nation of the future will be in a strange way more intimate too. Americans want to live in a world with other people, not in a walled empire surrounded by enemies.
- My surveying shows that we are in the middle of a fundamental reorientation of the American character, away from wanton consumption and toward a new global citizenry in an age of limited resources.

Zoby Conclusions?



- The America of 2020 will be a more tolerant nation.
- Our people by then will have lived for two decades in a new world of less. We will have gotten comfortable with the limitations on us and embraced the Zen of more minimal lifestyles and consumption patterns.
- We will expect our leaders to talk straight: Hype, hokum, and hooey—in politics, in advertising, wherever it appears—will be punished.
- We'll care about this fragile planet in hitherto unseen ways
- Woodstockers (1946-1964) will finally get tired of trying to look and act like their children.
- Nikes (1965-1978) are going to bond with their families as no generation before them.
- First Globals (1979-1990)—are ready to go anywhere, experience everything, and work and live in exotic places.

Discussion Questions

- What implications have we missed?
- How can Christian Education take a leap forward in the next 15 years?
- Discuss the quote on the next slide.