



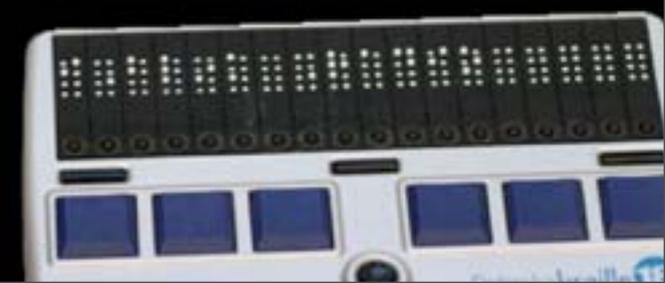
# iDevices in Education

How Blind and Low Vision  
Kids Benefit





What If ...





Students today depend on paper too much. They don't know how to write on a slate without getting chalk dust all over themselves. They can't clean a slate properly. What will they do when they run out of paper?





# Principal's Association

1815





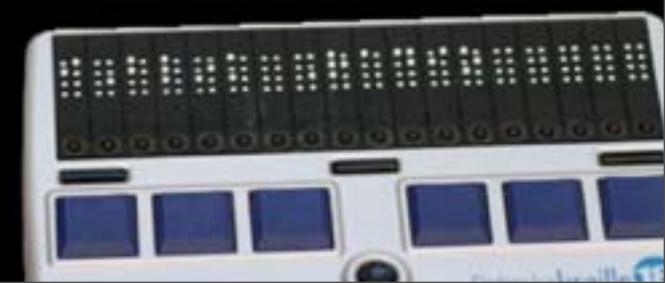
Ballpoint pens will be the ruin of education in our country. Students use these devices and then throw them away. The American values of thrift and frugality are being discarded. Business and banks will never allow such expensive luxuries.





# Federal Teachers

1950





We can't let them use calculators in middle school. If we do, they'll forget how to do long division or how to multiply three digit numbers by three digit numbers. What will they do when they don't have access to a calculator?





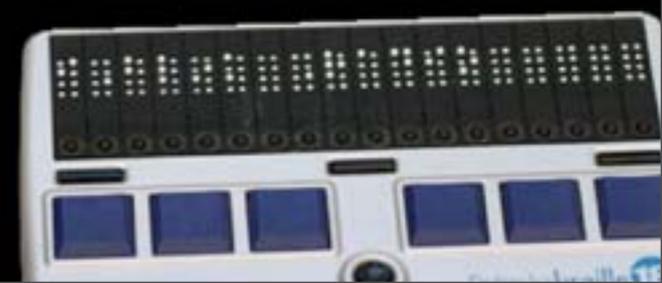
# Middle School Math Teacher

1985





Why would you ever want the Internet for student use? It's just the latest fad – have them use the library.





# District Employee

1995





You don't need a web  
page for the school.  
Who's ever going to look  
at it?





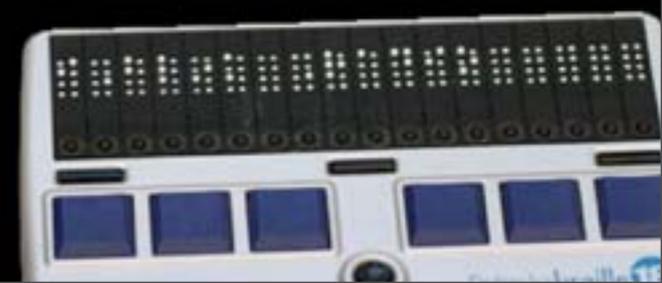
# District Employee

1995





Teachers will never use  
email.





# Teacher on a District Committee

1996





Why do you want network drops at every teacher's desk? You're not thinking of getting a computer for all of them are you?





# Building Administrator

1999





What can you do with an  
LCD Projector that you  
can't do with an  
overhead projector?





# Member of School Accountability Committee

1999





Why are we talking about students having laptops in high school? I don't think most parents will even give their kids their old computer, much less buy them a new one.





# Member of Laptop Committee

2000





Why would I want to put  
my grades on the web?  
Who's going to look at  
them?





# Teacher

2001





I don't think we'll have a wireless network at our school anytime soon.





# School IT Guy

Spring 2005





Turn off and put away all  
Cell Phones, iPods, and  
Electronic Devices during  
class!





# Signs around many schools

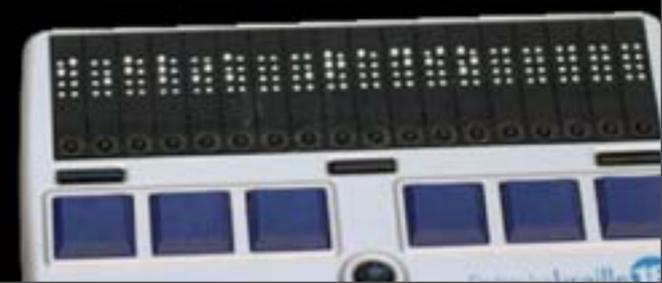
Fall 2011





# What If ...

We'd listened?





Did you know ...





According to former  
Secretary of Education  
Richard Riley ...





The top 10 in-demand jobs in 2011 didn't exist in 2004.





We are currently  
preparing students for  
jobs that don't yet  
exist ...



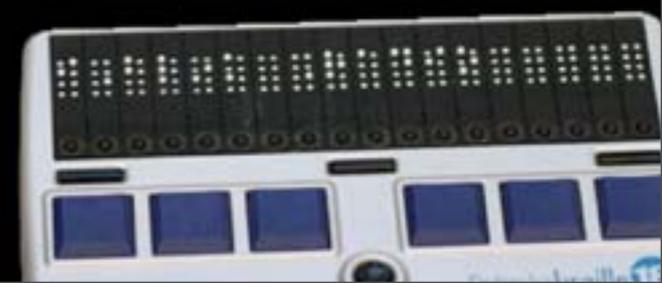


Using technologies that  
haven't been invented ...





In order to solve  
problems we don't even  
know are problems yet.





Did you know ...





We are living in  
exponential times.



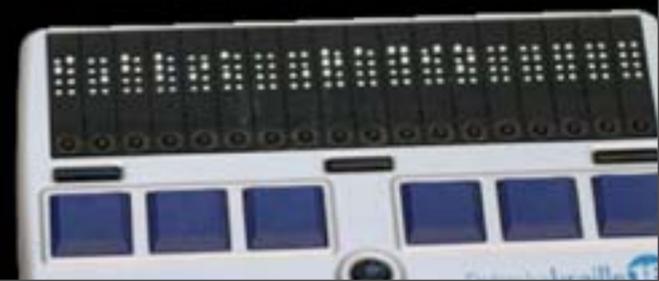


There are over 2.7 billion  
searches performed on  
Google each month.





To whom were these  
questions addressed  
B.G.?  
(Before Google)





The number of text messages sent and received every day exceeds the population of the planet.





There are about 540,000  
words in the English  
language ...





About 5 times as many as  
during Shakespeare's  
time.





More than 3,000 new  
books are published ...





Daily.





It's estimated that a  
week's worth of New  
York Times ...





Contains more information than a person was likely to come across in a lifetime in the 18th century.





It's estimated that more  
unique new information  
will be generated  
worldwide this year than in  
the previous 5,000 years.





The amount of new technical information is doubling every 2 years.



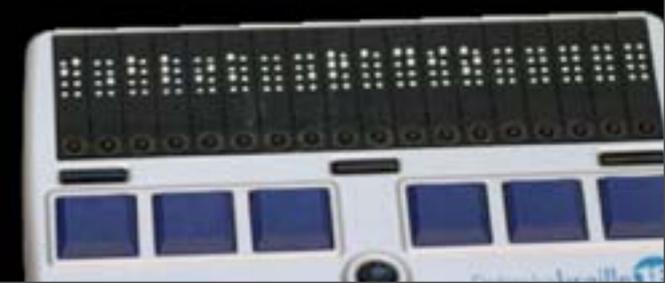


What does it all mean?



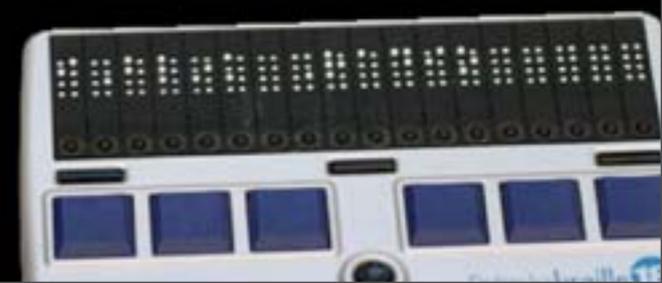


Shift Happens.





Now you know ...





# What Are We Up Against?





VS.





# Engage Me!







# Appropriate Use

- Fun is not only okay but GOOD!
- When is fun okay
- If we don't teach them appropriate use who will?
- Make them take ownership





# Why iDevices?

- Social Validity
- 737,742 Apps and Counting
- UDL
- Out of the Box Accessibility
- Reading and Textbook for iPad
- iTunes U





# Social Validity



- Our audience understands this method of delivery.
- This is a relatively inexpensive way to adapt materials
- Average App costs \$1.92
- This technology is Socially Valid
- Improvements are on-going.





# UDL: There's an App for that!

- There are Apps for communication, schedules, data tracking, advocacy, social stories, visual timers, medication reminders, and more. People with disabilities and their families are joyfully included in this market. We, too, can laugh when someone says, “Did you know there’s an App for that?”





# UDL: There's an App for that!

- Not only is there an App for that, they are affordable! This alone changes the power struggle over assistive technology that families and people with disabilities experience. Why? Because the tools are available through an inclusive market, not a specialized or segregated one.





# Access Out of the Box

- Voiceover
- Zoom
- White on Black
- Speak Selection
- Triple Click Home
- Braille





# Reading

- E-Mail
- iBooks
- Bookshare
- Learning Ally
- Google Books
- Blio
- And More...





# iBooks 2







# iTunes U and You



- If you're an educator at a university, college, or K-12 school, now you have an easy way to design and distribute complete courses featuring audio, video, books, and other content. And students and lifelong learners can experience your courses for free through a powerful new app for iPad, iPhone, and iPod touch





# iTunes U and You

- Everything works together.
- iBooks
- iCloud
- iBooks textbooks2
- Other books





# iTunes U and You

- Students can tap to start reading the assigned chapter.
- Notes taken in iBooks are consolidated for easy reviewing in the iTunes U app.
- If an assignment includes watching part of a video, one tap goes straight to a specific spot in the video.
- And iTunes U keeps documents, notes, highlights, and bookmarks up to date across multiple devices.





# Thank You :-)

- iAccess Blog [www.iaccessblog.com](http://www.iaccessblog.com)
- WCBVI [www.wcbvi.k12.wi.us](http://www.wcbvi.k12.wi.us)
- Apple in Education [www.apple.com/education](http://www.apple.com/education)
- The FischBowl [www.thefischbowl.blogspot.com](http://www.thefischbowl.blogspot.com)

