

**WHITE HOUSE INITIATIVE
ON EDUCATIONAL EXCELLENCE FOR HISPANICS
EDUCATIONAL TECHNOLOGY
WEBINAR
JULY 16TH, 2014**





Creating Future-Ready Schools

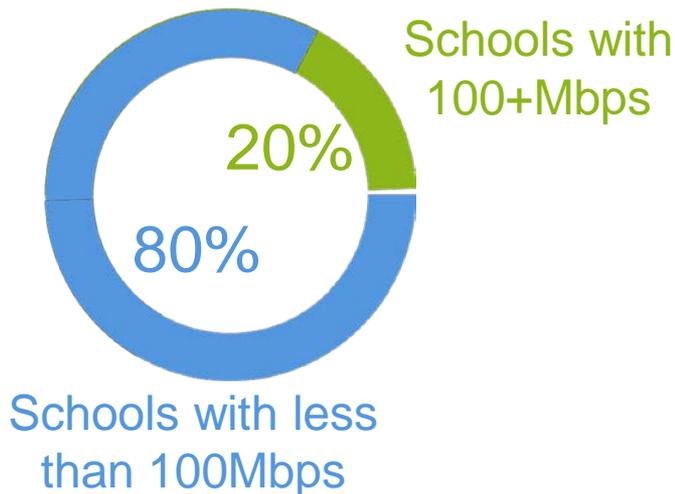
Richard Culatta, Director
Office of Educational Technology • US Department of Education

Technology Spurs Innovation



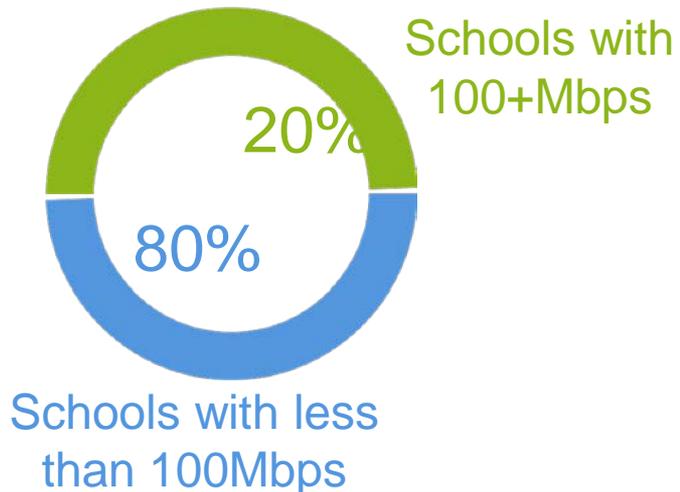
Required Bandwidth

Digital learning requires at least 100Mbps to the classroom. Only 20% of schools in the U.S. have sufficient bandwidth in the classroom to support digital learning.

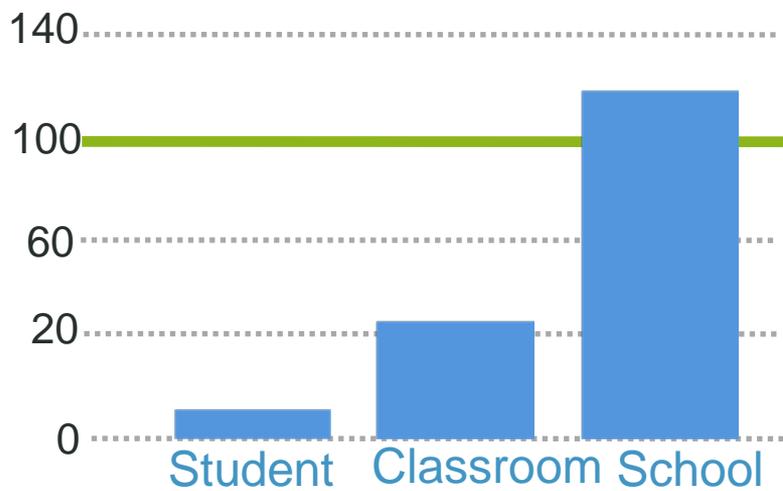


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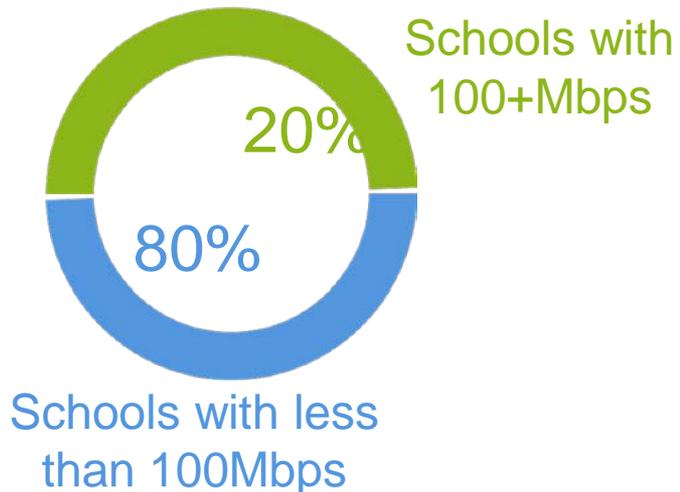
Megabits per Second (bandwidth)



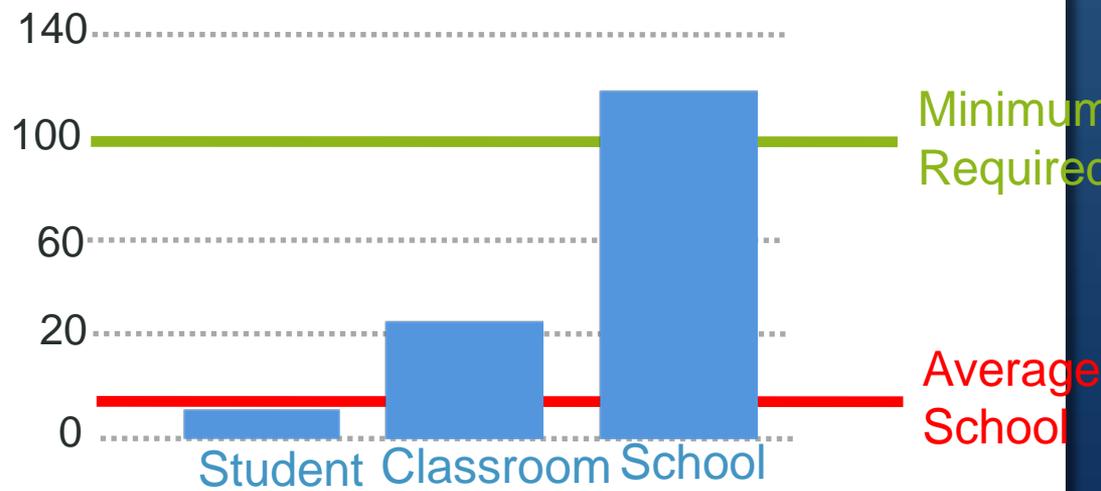
Minimum Required

Required Bandwidth

Digital learning requires at least 100Mbps to the classroom. Only 20% of schools in the U.S. have sufficient bandwidth in the classroom to support digital learning.



Megabits per Second (bandwidth)





“In a country where we expect free wi-fi with our coffee, we should definitely demand it in our schools”

-President Obama

ConnectED

INITIATIVE



- + Broadband to the classroom
- + Affordable devices
- + Prepared Teachers
- + Engaging digital content

Funding Connectivity

at&t		Page: 3 of 4	
AT&T CUSTOMER 1234 TELEPHONE LN AUSTIN, TX 78748-1234		Bill Cycle Date: 12/12/10 - 1/11/11	Account: 123456789105
Visit us online at: www.att.com			
512 555-1111 ASHLEY LAUREN WILKINSON			
Other Charges and Credits - Continued			
Government Fees and Taxes			
8. 9-1-1 Service Fee	50	7. 9-1-1 Service Fee	50
9. City District Telecom Tax	1.3	8. City District Telecom Tax	95
10. City Telecom Tax	1.3	9. City Telecom Tax	95
11. TX State Telecom Tax	78	10. TX State Telecom Tax	10.35
Total Government Fees and Taxes	1.54	Total Government Fees and Taxes	0.33
Total Other Charges and Credits	3.06	Total Other Charges and Credits	10.35
Total for 512 555-2222	27.03	Total for 512 555-3333	103.35
News You Can Use			
512 555-3333 ALEXANDER PAUL WILKINSON			
Monthly Charges - Dec 12 thru Jan 11			
1. FamilyTalk Nation 850 w/rollover*	59.99	Add A Line	
2. Family Msg Unlimited	30.00	Add a Line with Family Talk from AT&T FamilyTalk(R) plans start at just \$69.99/month including 700 Rollover Minutes. Add up to three additional lines for only \$9.99 each. Sign up now by calling 800-449-1672 or visit att.com/AddALine .	
Total Monthly Charges	89.99	Attention TTY Users	
For Deaf/hard of hearing customers (TTY): 1-866-241-6667. Questions on accessibility by persons with disabilities: 1-866-241-6568.			
Other Charges and Credits			
Voice Usage Summary			
FamilyTalk Nation 850 w/rollover* - Shared		Go Green Sign up for Paperless Billing Today	
Plan Minutes Used	333	Sign up for paperless billing and join AT&T in its efforts to be more earth-friendly. Going paperless is safe, secure and easy, and will save you time and money each month. View and store your monthly bills online (for up to 12 months) instead of receiving paper bills in the mail. Visit att.com/actgreen to learn more and enroll today! It's free, it's easy, and it's green!	
Mobile to Mobile Minutes	Unlimited	Moving?	
Minutes Used	776	AT&T can help. Call us to move your existing AT&T services or to order new AT&T home phone, high speed internet and digital TV services 1-800-MOVE-ATT (1-800-668-3288).	
Nights & Weekends	Unlimited	Important Information	
Minutes Used	54	Late Fee	
A Past Due Collection fee of \$5.00 will be assessed if payment is not received on or before the due date.			
Data Usage Summary			
Family Msg Unlimited			
Text/Instant Msgs Incoming	185		
Text/Instant Msgs Out	160		
Surcharges and Other Fees			
Family Data Unlimited 30days Free			
Data Access Used	1.613KB		
Multimedia Messaging			
Minutes Used	2		
3. Federal Universal Service Charge	2.23		
4. Regulatory Cost Recovery Charge	.66		
5. Texas Unverse Service	1.48		
6. TX Franchise Tax Recovery	.66		
Total Surcharges and Other Fees	5.03		

→ Universal Service Fee

→ eRate



English Español

- GETTING STARTED
- INTERNET SAFETY
- GETTING A JOB
- THE CAMPAIGN
- CONNECT2COMPETE



**DON'T USE
THE INTERNET**

**LET'S GET
EVERYONE
ONLINE.**

A large red banner with white text and graphics. On the left, the number '62' is written in a large, bold, white font, with 'MILLION' in a smaller white font below it. In the center is a stylized American flag with red and blue horizontal stripes and a field of red stars. On the right, the text 'DON'T USE THE INTERNET' is written in a bold, white, sans-serif font, with 'LET'S GET EVERYONE ONLINE.' below it. Small white arrows on the left and right sides of the banner indicate it is a scrollable section.

Data is Personalizing our Lives

The image shows a composite of two web interfaces. On the left is the Netflix homepage, featuring a red header with the 'NETFLIX' logo and a user profile for 'Michael Hart'. It displays 'Friends' Favorites' with movie covers for 'Along Came Polly', 'Mad Men', and 'Bruce Almighty', and 'Recently Watched by Michael Hart' with 'Meet Joe Black' and 'A League of Their Own'. On the right is a screenshot of the Amazon.com website. The browser address bar shows 'http://www.amazon.com/'. The page is personalized for 'Richard Culatta' and displays a sidebar with departmental links. The main content area shows 'Inspired by Your Wish List' with a warning about heavy machinery. Below that are 'New For You' recommendations, including books like 'Un Pez, Dos Peces, Pez Rojo, Pez Azul...', '¿Eres mi Mama?', 'Goodnight Moon: Buenas noches, Luna', and 'Huevos verdes con jamón', as well as 'Disrupting Class' and 'The Global Achievement Gap'. At the bottom, there are recommendations for 'The West Wing Season 2' and an 'Apple iPhone 3Gs 16Gb'. The browser's taskbar at the bottom shows icons for 'Done', 'PageFlink', 'Alexa', and 'zotero'.

NETFLIX 3/142 Search

Friends' Favorites

- Along Came Polly
- MAD MEN
- Bruce ALMIGHTY

Recently Watched by Michael Hart

- Michael Hart
- MEET JOE BLACK
- A League of Their Own

Amazon.com Hello, Richard Culatta. We have recommendations for you. (Not Richard?)

Richard's Amazon.com Today's Deals Gifts & Wish Lists Gift Cards Your Account Help

Shop All Departments Search All Departments GO Cart Wish List

Books

- Movies, Music & Games
- Digital Downloads
- Kindle
- Computers & Office
- Electronics
- Home, Garden & Pets
- Grocery, Health & Beauty
- Toys, Kids & Baby
- Clothing, Shoes & Jewelry
- Sports & Outdoors
- Tools & Home Improvement
- Automotive & Industrial

Inspired by Your Wish List

Warning

Warning labels have become ubiquitous. From take-out coffee cups to heavy machinery, they...

[Read more](#)

\$19.95

[See more in your Wish List](#)

New For You

- Un Pez, Dos Peces, Pez Rojo, Pez Azul...**
by Dr. Seuss
\$8.99
- ¿Eres mi Mama?**
by P.D. Eastman, Desiree Marquez
\$4.99
- Goodnight Moon: Buenas noches, Luna**
by Margaret Wise Brown, Clement Hurd
\$6.99
- Huevos verdes con jamón**
by Theodor Geisel - Dr. Seuss, Aida E. Marcuse
\$9.95
- Disrupting Class**
Expanded Edition...
by Clayton M. Christensen
\$34.95 \$23.07
- The Global Achievement Gap: Why Even...**
by Tony Wagner
\$16.95 \$11.53
- The West Wing Season 2**
Janel Moloney, John Wells, Aaron...
\$999.99 \$612.72
- Apple iPhone 3Gs 16Gb**
Black OS 3.1.2
\$999.99 \$612.72

Done PageFlink Alexa zotero

Never completes writing assignments

Speaks spanish

Reads at a 6th grade level



Loves baseball

Knows the name of every state capitol

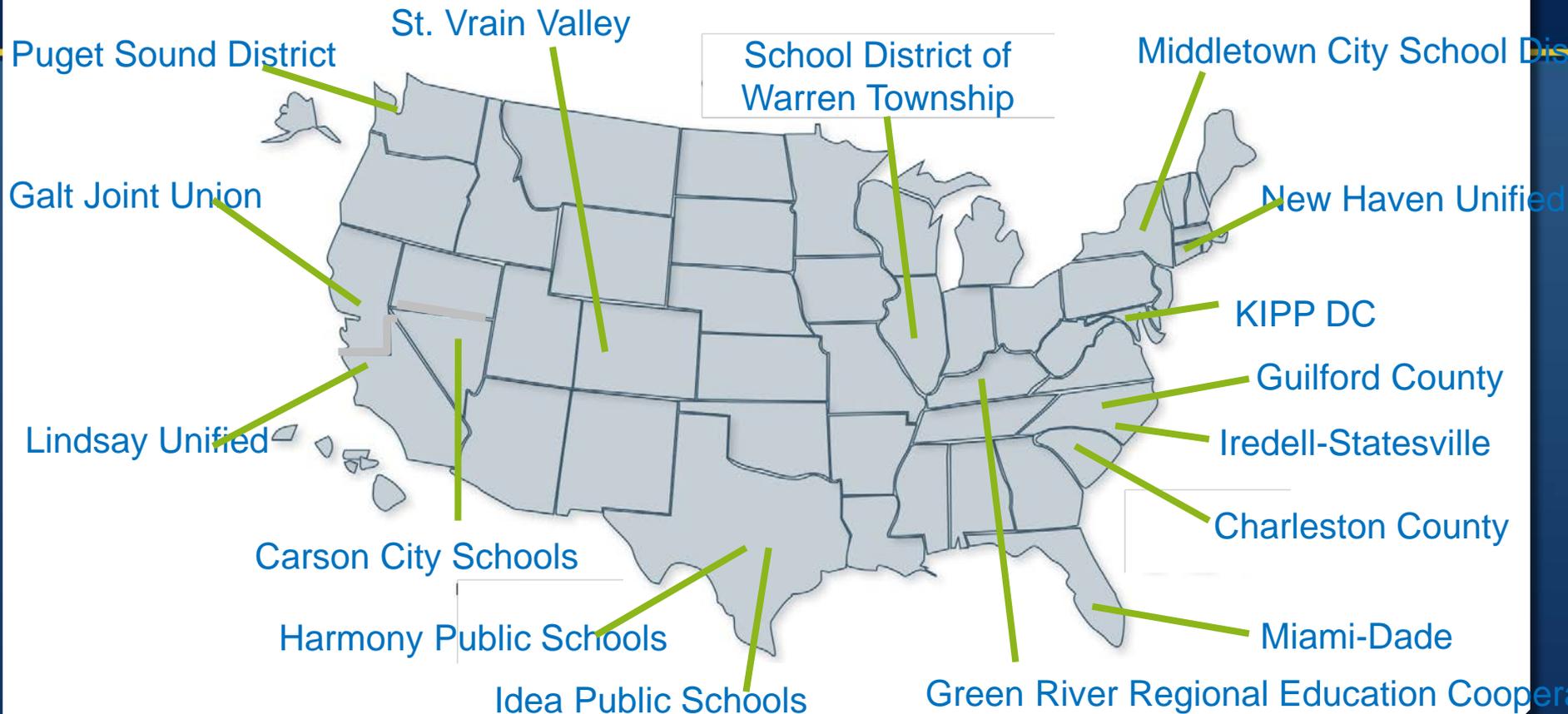
Has dyslexia

Can't multiply 5s

Technology to personalize



Personalized Learning Model Schools



Learning Dashboards

The screenshot shows a web browser window displaying a Khan Academy page. The address bar shows the URL: <https://www.khanacademy.org/task/2184132796>. The user is identified as Richard Culatta with 13,393 energy points. The page title is "Mastery Challenge" with a sub-header "Do all 5 problems" and five green checkmarks. Below this, a tooltip for "Identifying numerators and denominators" shows "Your Progress: Level One".

PROGRESS MADE

Identifying numerators and denominators
Your Progress: Level One

✓ Reading pictographs 1	■ → ■
✓ 2-digit addition	■ → ■
✓ Multiplying 1-digit numbers	■ → ■
✓ 1-digit subtraction	■ → ■
✓ 1-digit addition	■ → ■

POINTS EARNED

250	Points for questions 5 questions answered 100% correctly
300	Points for completion Bonus points earned for completing this task
550	Total Points

BADGES EARNED

Challenge Accepted
You finished your first mastery challenge.

Close Task Summary

Data Empowers Parents



Congratulations! James successfully completed a group of 10 Learning lessons.

In this unit, James demonstrated a strong understanding of ways to efficiently build amounts up to 100 by making use of groups of ten. Building amounts like this is evidence that he is developing a strong sense of our number system. Understanding these number relationships, in particular how groups of tens and units can be used to build amounts up to 100, underlies the important mathematical ideas related to place value in our base-ten number system.

Here's a game that will give James a chance to talk about the math he is learning. It will give James a chance to show you what he knows so you can celebrate his progress!

On-the-Run: Pick a Number

Pick a number between 11 and 40 and discuss ways to make it. For example 32 could be made with 3 tens and 2 units, or with 2 tens, 2 fives, and 2 units, or with 2 tens and 12 units, etc.

the WHITE HOUSE

STUDENT FILM FESTIVAL

★★★★



Thanks!



The screenshot shows the website for the Office of Educational Technology. The browser address bar displays www.ed.gov/edblogs/technology/. The page header includes the title "Office of Educational Technology" and a navigation menu with links for "Home", "Projects", "Research & Reports", "Education Technology Grants", and "Education Data Initiative". A main heading reads "Welcome to the Office of Educational Technology!". Below this, there is a photograph of four diverse children looking at a laptop. To the right of the photo, a text block titled "Now available! Expanding Evidence Approaches for Learning in a Digital World" describes the OET's mission. A sidebar on the right contains a search box, the "ED.gov" logo, and a section for the "National Education Technology Plan" with a "Learning" graphic.



@rec54



@OfficeOfEdTech



/OfficeOfEdTech

<http://tech.ed.gov>

Education Technology Integration and the Hispanic Community

How to bridge the cultural gap in a classroom, and structure student learning to meet student needs.

My Students and My Culture

- ▶ Hispanic students have a rich culture, and a strong set of morals that should be recognized and valued.
 - Build student trust by letting them know that no matter what they have been told, or what they think that you, their teacher, believes in their success.
- ▶ Surprise them with new ways of thinking and seeing the world, but never put their culture into a negative light.

My Approach to Technology Use in the Classroom (key elements)

- ▶ Student buy-in is the gateway to advanced learning,
 - allowing them to make choices on how they use the tools will create student investment.
 - ▶ The teacher is the facilitator to the student's education,
 - building student confidence in their abilities to generate new ideas is the teachers goal.
- 

My Approach to Technology Use in the Classroom

- ▶ Students understand the device use limits that are placed on them in the classroom,
 - but limits are only one side of the scale.
 - ▶ Devices are more than just tools, they are the gateways to the rest of the world,
 - students should be given an opportunity for structured exploration.
- 

Language, Understanding, and Methods of Learning

- ▶ Technology allows the students to explore concepts through different methods,
 - giving them the opportunity to build knowledge.
 - ▶ Students can use the tools to bridge language skills and improve their vocabulary.
 - ▶ Videos, audio books, slide shows, and banks of other resources to build from.
- 

Lessons Learned

- ▶ Don't Panic, technology will fail us at times.
 - Have a backup plan that does NOT include handouts, but does include class discussions about technology responsibility.
 - ▶ You will not understand or be up to date with your students use of the social technology.
 - DO NOT TRY. They will always be one step ahead.
 - ▶ But use the tools they are familiar with for socializing, as tools for education.
 - For example: Tumblr as a bellwork writing tool.
- 

The Future of the Students

My final project

- ▶ The students need a grand goal that they come up with.
 - ▶ Have them see themselves as successful strong leaders.
 - ▶ And then have them prove it to you.
- 

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- ▶ Visit my website
 - Misagonzales.com

or

- ▶ Please Email me directly at
 - misagonzales@gmail.com