

Tech & Learning Webinar

Opportunities and Challenges for Web 2.0 in Schools

Tuesday March 31, 2009
10:00 am PST/1:00 pm EST

Sponsored by:

LIGHTSPEED
—SYSTEMS—

Introductions



Moderator:

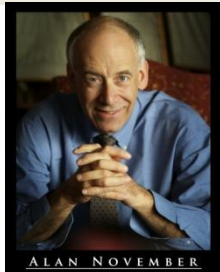
Gwen Solomon

Custom Projects, Tech & Learning

Sponsor:



Speakers



Alan November
November Learning



Ellen Bialo and Jay Sivin-Kachala
Interactive Educational Systems Design (IESD)



Terrell Tucker
Director of Information & Technology Services
Panama-Buena Vista School District
Bakersfield, CA

Agenda

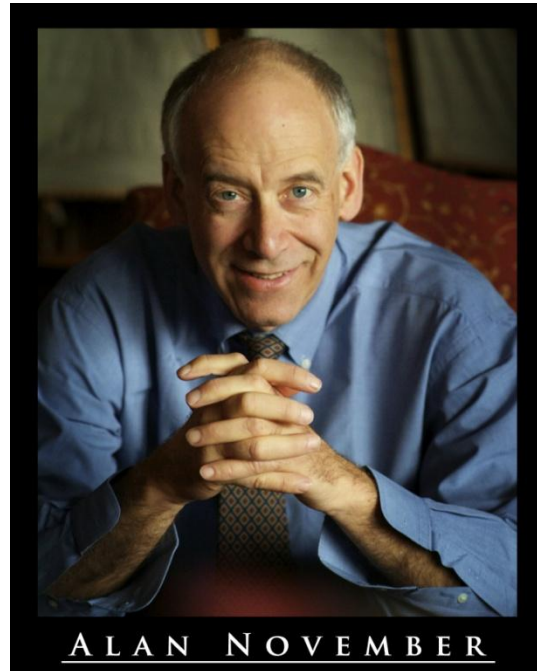
- Web 2.0 Opportunities
- K12 Survey on Web 2.0
- Case Study

About our Sponsor

Innovative, comprehensive solutions for network security, filtering, monitoring, management, and optimization have emerged from Lightspeed's IT expertise and constant customer interaction.

Lightspeed Systems partners with schools to ensure safe online learning environments.

Alan November



Hubris or Accurate?

- "Until you USE the technology we live with every single day, you will NEVER understand how to teach us"



Three Myths of the Web

- Level Playing Field
- Smarter Students
- Different Points of View

Turkey or Site:tr

- Don't know what we don't know

6 Learning Jobs

- Daily Researcher
- Curriculum Researcher
- Global Communicator
- Tutorial Designer
- Curriculum Reviewer
- Daily Scribe

Next Step

- Staff Development focus on designing rigorous motivating assignments.

Elements of Design

- Students own learning
- Authentic audience
- Collaborative work
- Makes a contribution

Ellen Bialo & Jay Sivin-Kachala



**Interactive Educational Systems Design
(IESD)**

National Research Survey on District Use of Internet Technologies

- Online survey
- Focused on the use, attitudes, concerns, & plans regarding the Internet and Web 2.0 technologies in US school districts
- Included just over 500 district technology directors

National Research Survey on District Use of Internet Technologies

- Did not treat Web 2.0 with a broad brush
- Instead Web 2.0 was broken down into 7 specific categories related to student instruction and learning environments

National Research Survey on District Use of Internet Technologies

7 Types of Web 2.0 Technologies

- Student-generated online content
- Teacher-generated online content
- Online social networking used as part of instruction
- Online learning games and simulations
- Student use of virtual learning environments
- Multimedia resources
- Online communication with parents & students outside school hours

National Research Survey on District Use of Internet Technologies

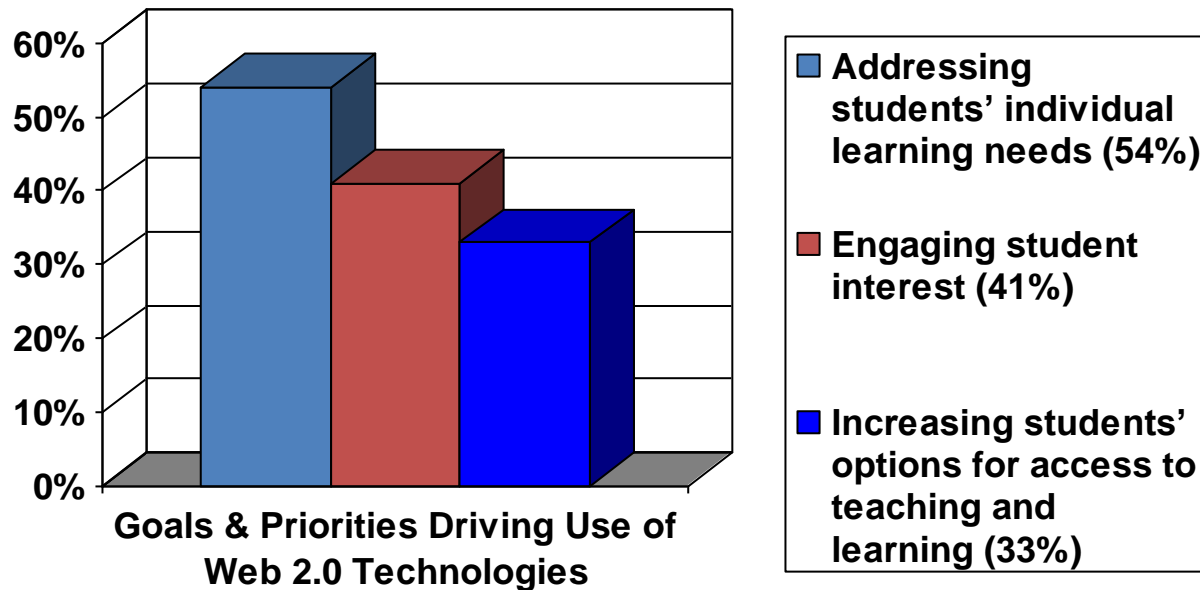
- Phase 1 of Lightspeed Systems & netTrekker's *Safe Schools in a Web 2.0 World* Initiative
- Goal of the Initiative—
Provide educational leaders with
the vision, guidance, & support
for *maximizing Web 2.0 learning opportunities*
while *protecting students and teachers*

National Research Survey on District Use of Internet Technologies

What is the main reason for districts adopting Web 2.0?

National Research Survey on District Use of Internet Technologies

Three most frequently cited reasons for the adoption of Web 2.0 technologies



National Research Survey on District Use of Internet Technologies

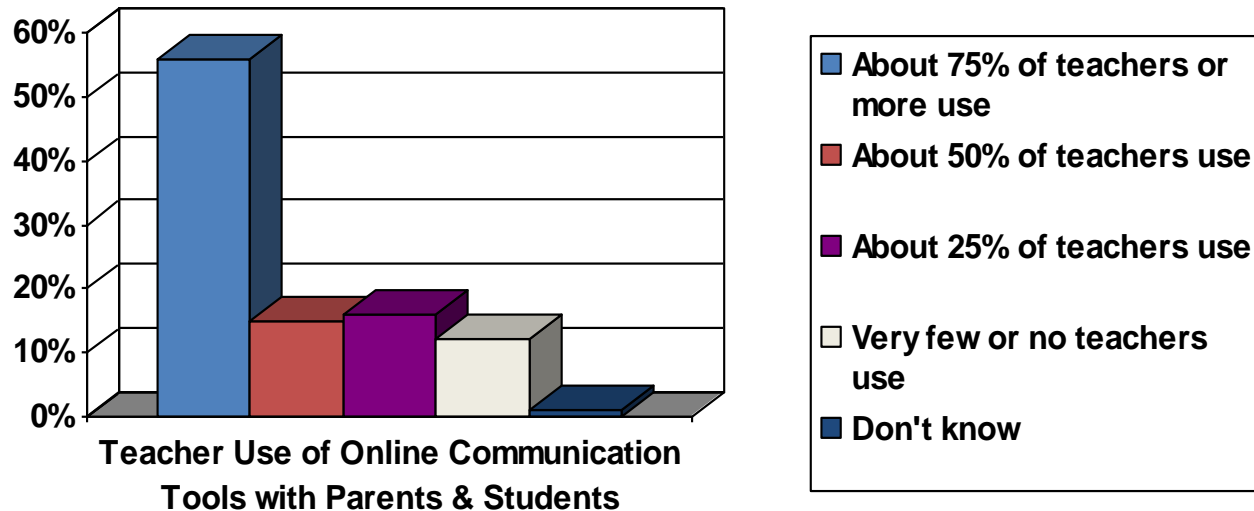
Which Web 2.0 technology are most teachers using today?

National Research Survey on District Use of Internet Technologies

Districts are at different stages of use and adoption of different Web 2.0 technologies

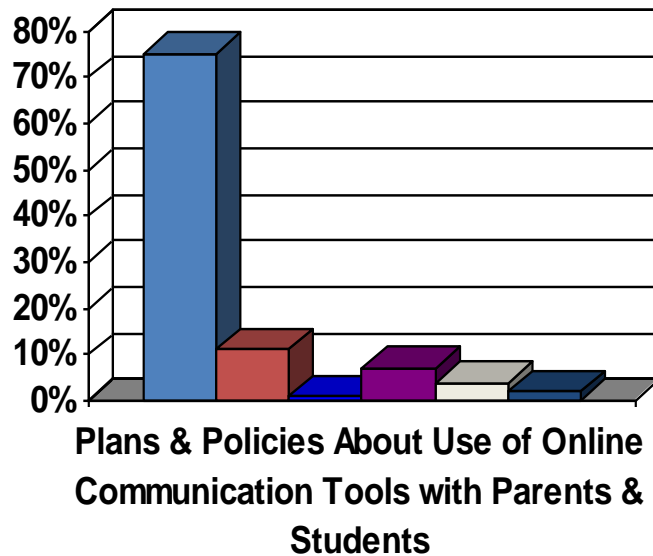
National Research Survey on District Use of Internet Technologies

Online communication tools with parents & students are widely used by teachers



National Research Survey on District Use of Internet Technologies

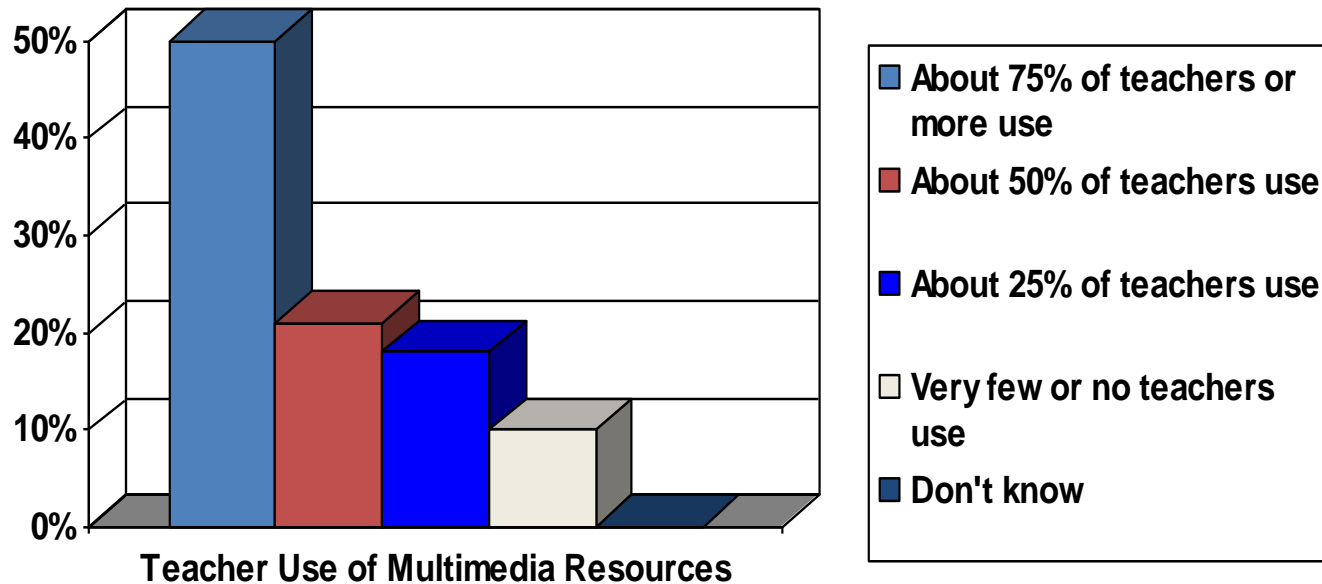
Most districts have plans for adopting or promoting use of *online communications tools* with parents & students



- Have a plan for adopting/promoting use
- All but do not actively promote use
- Current policies don't allow use
- Currently considering plans/policies
- Never discussed at district level
- Don't know

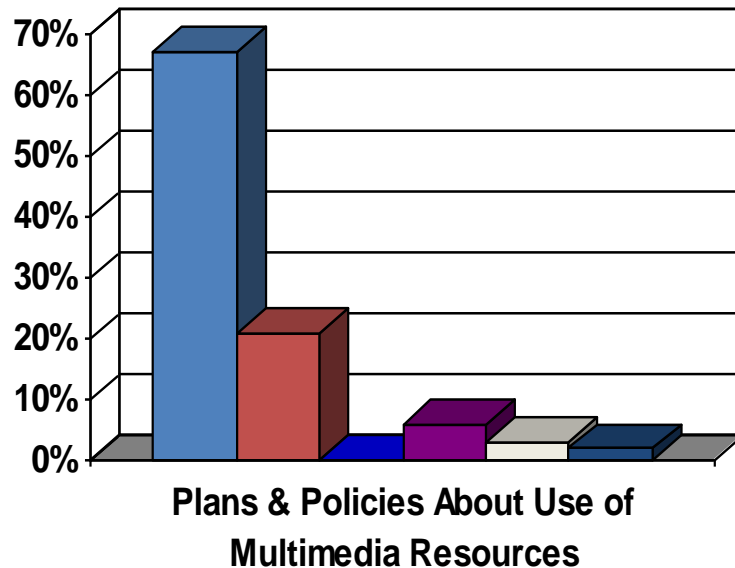
National Research Survey on District Use of Internet Technologies

Multimedia resources are also widely used by teachers



National Research Survey on District Use of Internet Technologies

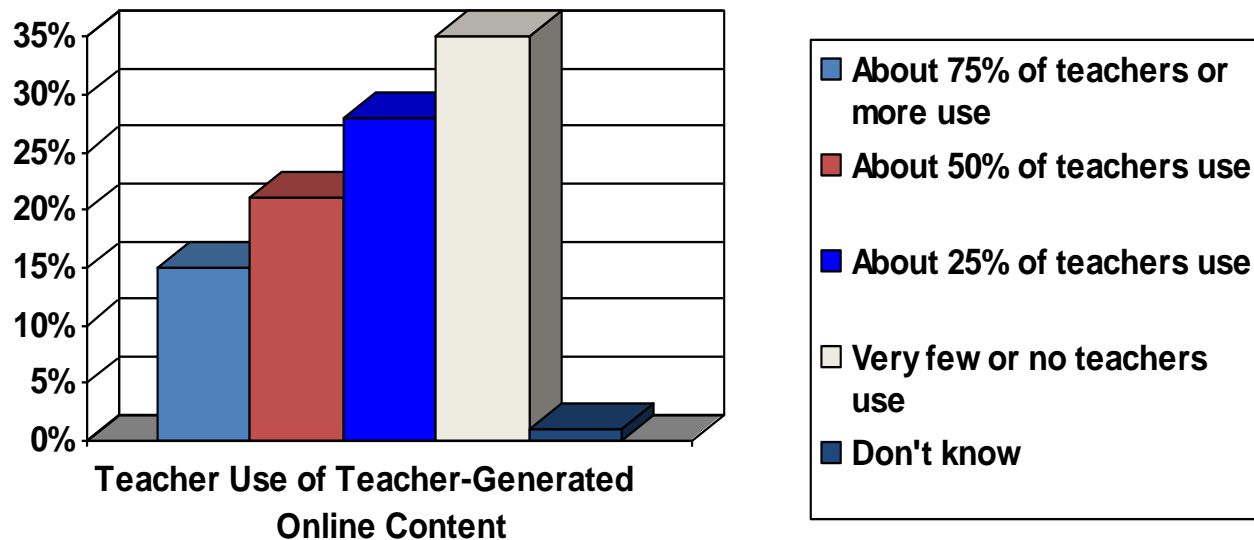
Use of *multimedia resources* is often supported by district plans



- Have a plan for adopting/promoting use
- Allow but do not actively promote use
- Current policies don't allow use
- Currently considering plans/policies
- Never discussed at district level
- Don't know

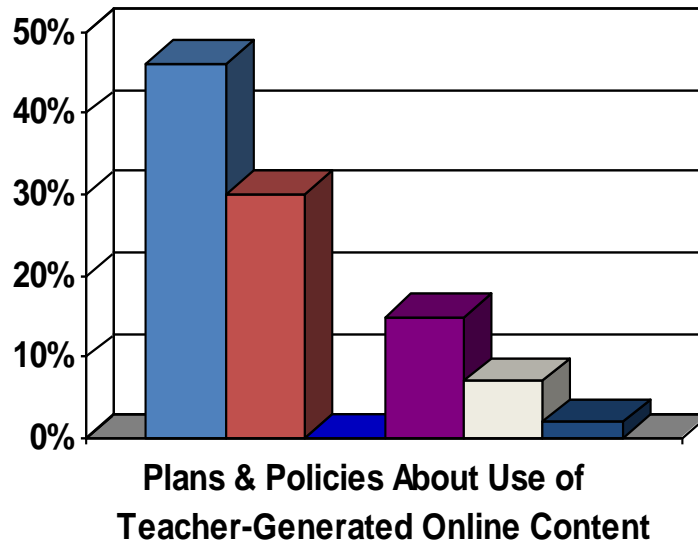
National Research Survey on District Use of Internet Technologies

In most districts, a significant group of teachers use *teacher-generated online content*



National Research Survey on District Use of Internet Technologies

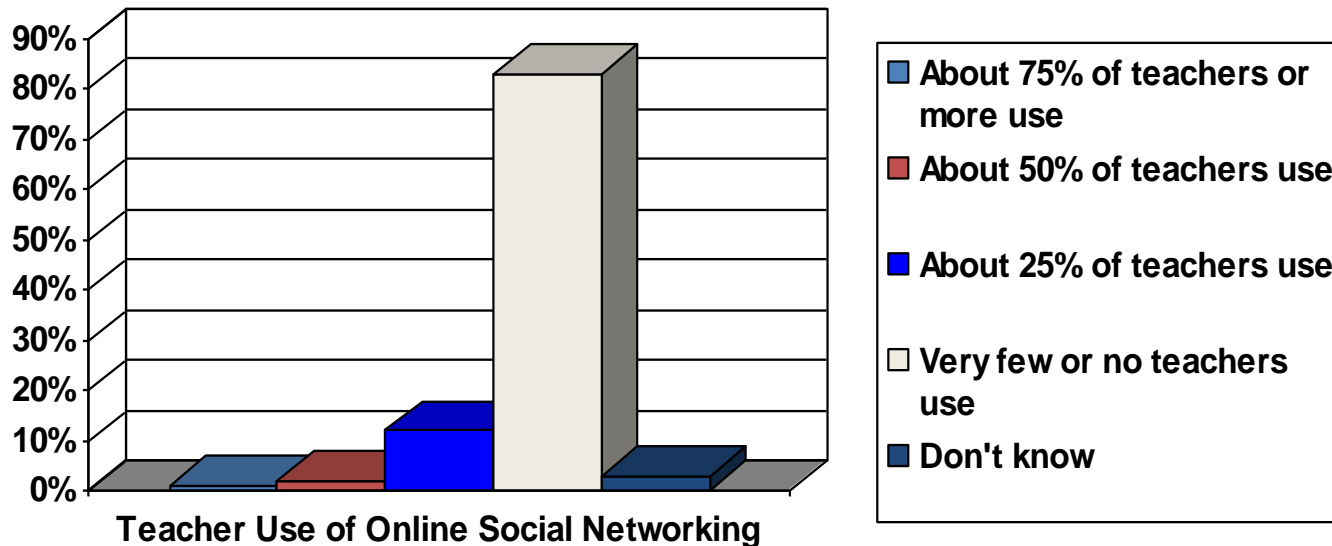
Teacher-generated online content is likely to be the next area for growth based on district plans



- Have a plan for adopting/promoting use
- Allow but do not actively promote use
- Current policies don't allow use
- Currently considering plans/policies
- Never discussed at district level
- Don't know

National Research Survey on District Use of Internet Technologies

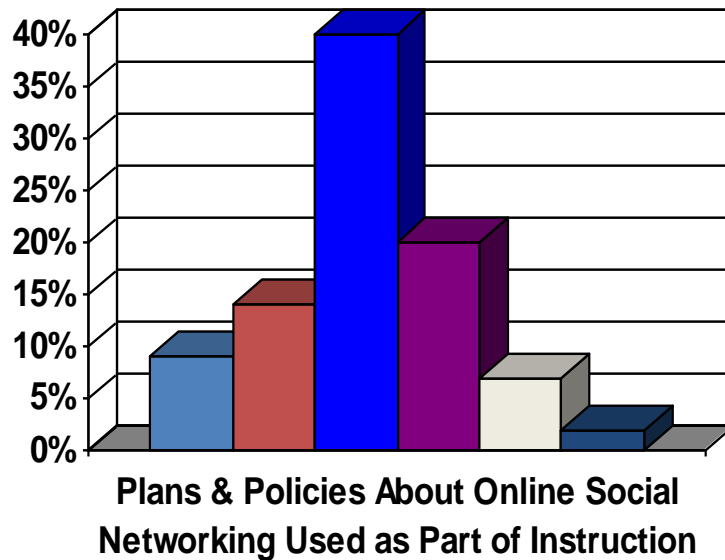
Very few teachers use *online social networking* as part of instruction



National Research Survey on District Use of Internet Technologies

Many districts have policies that don't allow use of *online social networking*, but trailblazers exist

-



- Have a plan for adopting/promoting use
- Allow but do not actively promote use
- Current policies don't allow use
- Currently considering plans/policies
- Never discussed at district level
- Don't know

National Research Survey on District Use of Internet Technologies

Barriers to Adoption of Online Social Networking

National Research Survey on District Use of Internet Technologies

Most frequently identified human factor barriers to *online social networking used as part of instruction*

- Need to monitor appropriate use (55%)
- Lack of teacher knowledge about how to use effectively (51%)
- Teacher perceptions about lack of instructional value or appropriateness (48%)

National Research Survey on District Use of Internet Technologies

Most frequently identified technology-related barriers to *online social networking used as part of instruction*

- Student safety concerns (76%)
- District network and data security concerns (35%)
- Limited support systems, including technology personnel (27%)

National Research Survey on District Use of Internet Technologies

Which Web 2.0 application are districts most likely to be using for *teacher professional development* next year?

National Research Survey on District Use of Internet Technologies

Many districts are using or plan to use Web 2.0 applications for *teacher professional development*

- Educators posting content online (66%)
- Educators viewing podcasts, videocasts, streaming video, etc. re: professional topics and/or best practices (62%)
- Educators viewing short videos to learn specific features of software applications (62%)
- Use of online communication & collaboration tools (53%)

National Research Survey on District Use of Internet Technologies

Who is the main driver of Web 2.0 technology adoption?

National Research Survey on District Use of Internet Technologies

Many groups are *involved in developing policies* related to Web 2.0 technologies

- District technology leaders (91%)
- Superintendent or assistant superintendent (75%)
- Principals (70%)
- Teachers (66%)
- District curriculum leaders (58%)
- School board (49%)

National Research Survey on District Use of Internet Technologies

Most important groups *driving adoption* of Web 2.0

Teachers were most frequently identified as an important group driving adoption of:

- Multimedia resources (78%)
- Online learning games and simulations (65%)
- Teacher-generated online content (60%)

National Research Survey on District Use of Internet Technologies

Most important groups *driving adoption* of Web 2.0

Teachers were also identified as among the top three groups driving adoption of:

- Student-generated online content (45%)
- Student use of virtual learning environments (42%)
- Online social networking used as part of instruction (27%)

National Research Survey on District Use of Internet Technologies

Most important groups *driving adoption* of Web 2.0

District technology leaders were most frequently identified as an important group driving adoption of:

- Student use of virtual learning environments (44%)

National Research Survey on District Use of Internet Technologies

Most important groups *driving adoption* of Web 2.0

District technology leaders were also identified as among the top three groups driving adoption of:

- Teacher-generated online content (52%)
- Multimedia resources (51%)
- Student-generated online content (44%)
- Online learning games and simulations (35%)
- Online social networking used as part of instruction (28%)

National Research Survey on District Use of Internet Technologies

Most important groups *driving adoption* of Web 2.0

Students were most frequently identified as an important group driving adoption of:

- Student-generated online content (47%)
- Online social networking used as part of instruction (36%)

National Research Survey on District Use of Internet Technologies

Most important groups *driving adoption* of Web 2.0

Students were also identified as among the top three groups driving adoption of:

- Online learning games and simulations (49%)
- Multimedia resources (39%)
- Student use of virtual learning environments (33%)

National Research Survey on District Use of Internet Technologies

Key Takeaways

National Research Survey on District Use of Internet Technologies

Key Takeaways

Most often cited reasons for adopting Web 2.0 technologies:

- Addressing students' individual learning needs
- Engaging student interest
- Increasing students' options for access to teaching and learning

National Research Survey on District Use of Internet Technologies

Key Takeaways

Districts are at different stages of use and adoption of different Web 2.0 technologies

Technology	Teachers	District Plans
<i>Online communications tools with parents and students</i>	Many use	Most promote
<i>Multimedia resources</i>	Many use	Most promote
<i>Teacher-generated online content</i>	Significant numbers use	Almost half promote; more considering
<i>Online social networking</i>	Few use	Many don't allow

National Research Survey on District Use of Internet Technologies

Key Takeaways

- Many districts use or plan to use a variety of Web 2.0 applications for teacher professional development
- Many groups are involved in developing policies related to Web 2.0 technologies
- Teachers & students are among the most important groups driving Web 2.0 adoption

Terrell Tucker



**Director of Information & Technology Services
Panama-Buena Vista School District
Bakersfield, CA**

Panama-Buena Vista Union School District

District Summary

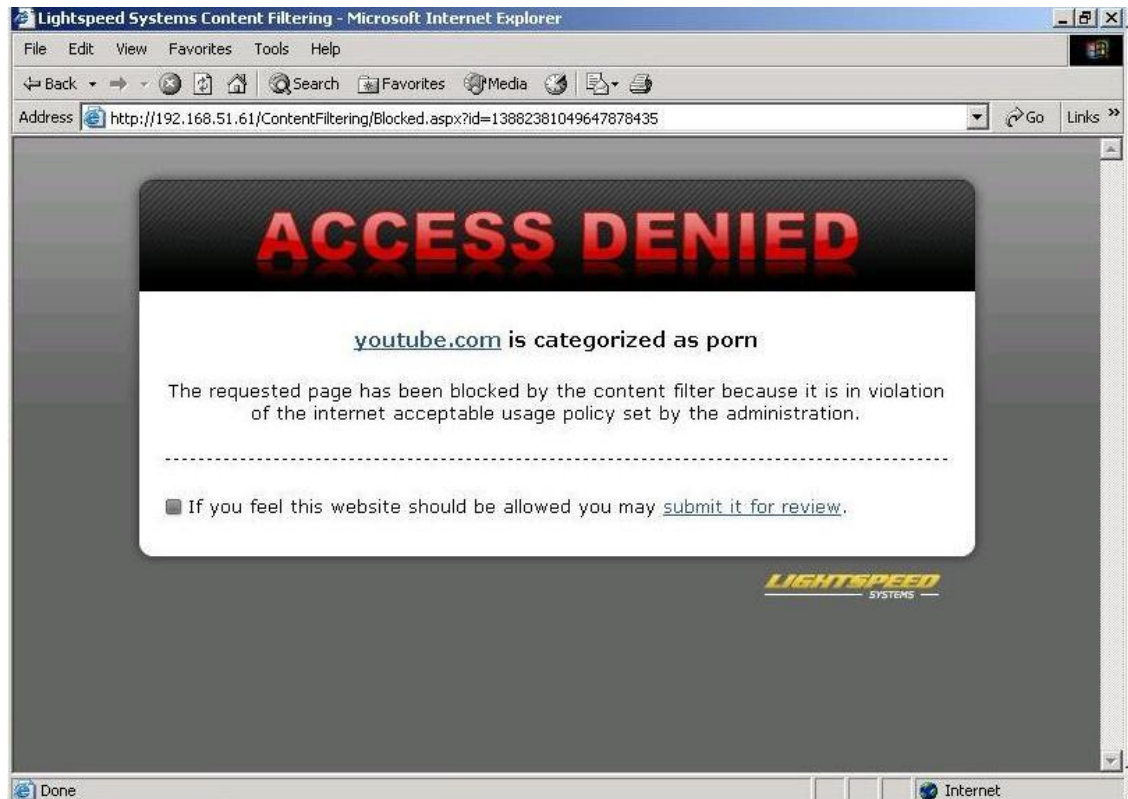
- 16,500 Students
 - 17 Elementary Schools (K-6)
 - 5 Junior High Schools (7-8)
- 800 Teachers
- Multimedia Technology Installed in 90% of Classrooms
- 4,000 Computers

Panama-Buena Vista Union School District

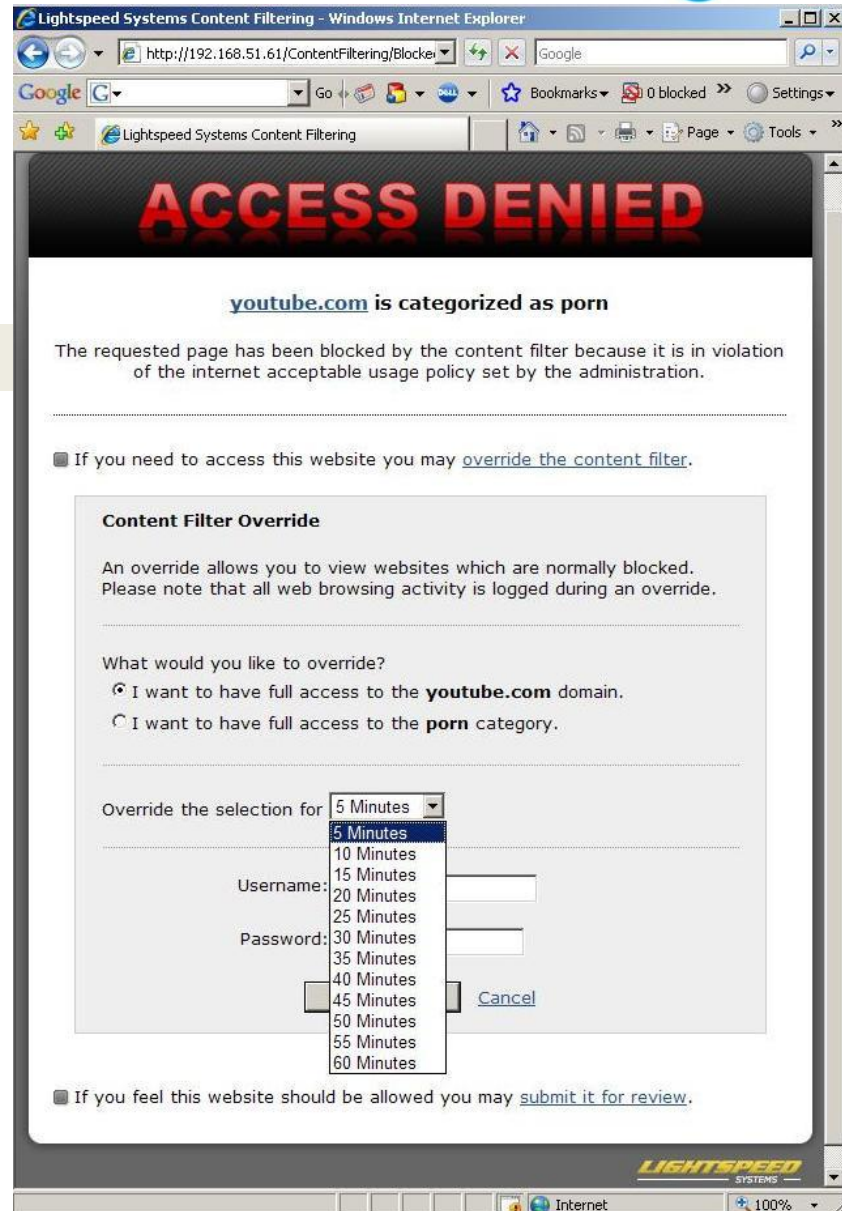
Need For Collaboration & Research

- Professional Learning Community
- Our “Electronic World”
 - Content Filters & Email Spam Filters

Panama-Buena Vista Union School District



YouTube OR NoTube?



Panama-Buena Vista Union School District

Need For Monitoring and Appropriate Access Controls

- Network Traffic Monitoring
 - “Suspicious” Traffic
 - Search Engine Queries
 - Busiest Protocols

Panama-Buena Vista Union School District

Classroom Presentation of Current Events and Ideas

- Social Networking
 - Necessary Educational “Controls”
 - Educational Video Library

http://pbvUSD_ttC0/safevideos/ - Windows Internet Explorer

http://pbvUSD_ttC0/safevideos/ marriott bakersfield truxton


File Edit View Favorites Tools Help

http://pbvUSD_ttC0/safevideos/ Page Tools


Educational Video Library

Home Login Search for a video... Se

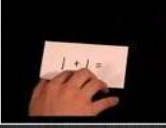
LATEST




Superintendent Jack O'Connell Discusses Preschool
Notes: This video does not have any notes.
Added by: tt@pbvUSD.net




Math lessons
Notes: This video does not have any notes.
Added by: tt@pbvUSD.net



First Grade Math Lessons : First Grade Math Addition Tables
Notes: This video does not have any notes.
Added by: tt@pbvUSD.net




Organic Chemistry Lab: Recrystallization
Notes: This video does not have any notes.
Added by: tt@pbvUSD.net




President Barack Obama 2009 Inauguration and Address
Notes: This video does not have any notes.
Added by: tt@pbvUSD.net


POPULAR




Organic Chemistry Lab: Recrystallization
Notes: This video does not have any notes.
Views: 0



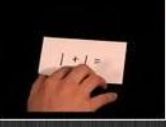
President Barack Obama 2009 Inauguration and Address
Notes: This video does not have any notes.
Views: 0



Math lessons
Notes: This video does not have any notes.
Views: 0



Superintendent Jack O'Connell Discusses Preschool
Notes: This video does not have any notes.
Views: 0



First Grade Math Lessons : First Grade Math Addition Tables
Notes: This video does not have any notes.
Views: 0

http://pbvUSD_ttC0/safevideos/Default.aspx Local intranet 100%

YouTube

OR

NoTube?

Panama-Buena Vista Union School District

Interaction with Our Community

- Online Communication with Parents & Students
 - Teacher-Generated Content
 - Grades
 - Assignments
 - Project Guidelines
 - Coming Events

Panama-Buena Vista Union School District

Buena Vista - Windows Internet Explorer

http://www.pbvUSD.k12.ca.us/schools/buenavista/index.cfm?fuseaction=frame&menu_id=103

Bakersfield • California

Elementary School

[About Us](#)
[Principal](#)
[Our Staff](#)
[Programs](#)
[Cafeteria](#)
[Standards](#)

[Schedules](#)
[Calendar](#)
[SARC's](#)
[News](#)
[PBVUSD Home](#)
[Contact Us](#)

Learning and Looking Good

Home

Battle of the Books

Library

Mission Statement

Parent Club

Recycling Program

Student Achievement Awards

All work for the week

Resources

Weekly Assignments [download/view](#)

Class Menu

[Keeler's Coyotes](#)

[Teacher Profile](#)

[Class Picture](#)

[Class Photo Gallery](#)

[Class Links](#)

[Weekly Assignments: Week of 3/23](#)

[The Weekly Spelling List](#)

[Keeler's Coyotes web page!](#)

[Poster Contest](#)

[Classroom News: February 17](#)

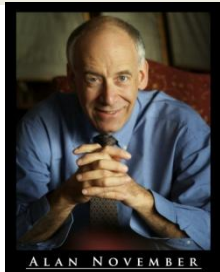
Done Internet 100%

Panama-Buena Vista Union School District

Plans For Future Use of Web 2.0 Tools

- Sharing/Distribution of Teacher-Generated Content
 - Lesson Plans
 - Professional Development Presentations
 - Facebook, MySpace, YouTube ... ???
- Distance Learning???

Today's Webinar



Alan November
November Learning



Ellen Bialo and Jay Sivin-Kachala
Interactive Educational Systems Design (IESD)



Terrell Tucker
Director of Information & Technology Services
Panama-Buena Vista School District
Bakersfield, CA

Questions & Answers

Resources

Lightspeed Systems

<http://www.lightspeedsystems.com/>

Tech & Learning

<http://www.techlearning.com>

Thank You