



**ADVANCING K-12
TECHNOLOGY
LEADERSHIP**



Web 2.0 in Our Schools: Protect? Preserve? Progress?

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About CoSN

CoSN Mission

Serving K-12 technology leaders who through their strategic use of technology, improve teaching and learning.

CoSN Core Value

The primary challenge we face in using technology effectively is human, not technical.

For that reason, CoSN focuses on **Leadership** and **Policy**.



Consortium for School Networking

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Who are CoSN Members?

The CoSN membership includes a unique blend of education and technology leaders, policy makers and influencers from the public and private sectors.

CoSN core audience: district technology leaders

Chief Technology Officers (CTOs)/Chief Information Officers (CIOs)/Technology Directors

Agenda

- Why Web 2.0/Collaboration in Education
- Protect? Preserve? Progress?
- Leading with Web 2.0



Web 2.0 Definition

Online application that uses the World Wide Web (www) as a platform and allows for participatory involvement, collaboration, and interactions among users. Web 2.0 is also characterized by the creation and sharing of intellectual and social resources by end users.

Examples of Web 2.0 applications:

- Social networking
- Blogs
- Wikis
- Collaborative Learning Games
- Podcasting

State of Today

Technology and Web 2.0 have pervasive presence in the lives of young people.

Young People's Use of Technology

Online Activity for Teens

Activity	Percentage of Teens
Social Networking Services	73%
Search for news-current events and politics	62%
Share content	38%
Search for health information	31%
Remix	21%
Blogging	14%
Virtual worlds	8%
Tweet	8%

Key K-12 Technology Trends

Time-to-Adoption: One Year or Less

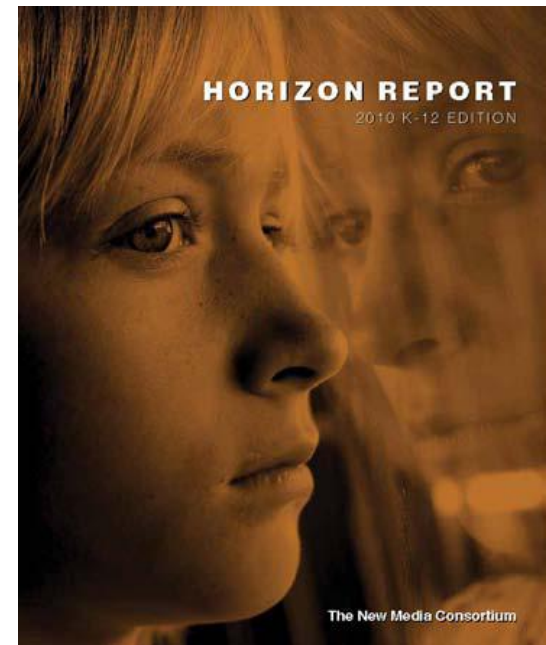
- Cloud Computing
- Collaborative Environments

Time-to-Adoption: Two to Three Years

- Game-Based Learning
- Mobiles

Time-to-Adoption: Four to Five Years

- Augmented Reality
- Flexible Displays



Let the Conversation Begin

2010 Horizon Report: K-12 Education

Download Free Report & Toolkit

www.cosn.org/horizon

Web 2.0 in Schools

The nation's district administrators are overwhelming positive about the impact of Web 2.0 on students' lives and their education.

Web 2.0 in Schools

Over **75%** of superintendents and curriculum directors agree Web 2.0 holds potential value for teaching and learning.

More positive about the potential of Web 2.0 for **high schools and middle schools** rather than elementary schools.

56% reported that Web 2.0 applications have not yet been integrated within the curriculum.

Why Web 2.0 in Schools?

Keeping students interested and engaged in school is the top priority for Web 2.0 in America schools.

Leader Views

Ranked Priorities for Web 2.0

1. Keep students interested and engaged in school
2. Meet the needs of different kinds of learners
3. Develop critical thinking skills
4. Develop students capabilities not possible through traditional methods
5. Provide alternative learning environments for students
6. Extend learning beyond the school day
7. Prepare students to be lifelong learners

Protect? Preserve? Progress?

Protect

Concern on how to protect children from harmful content on the Web.

Preserve

Involves integrating Web 2.0 applications with the curriculum and pedagogy.

Progress

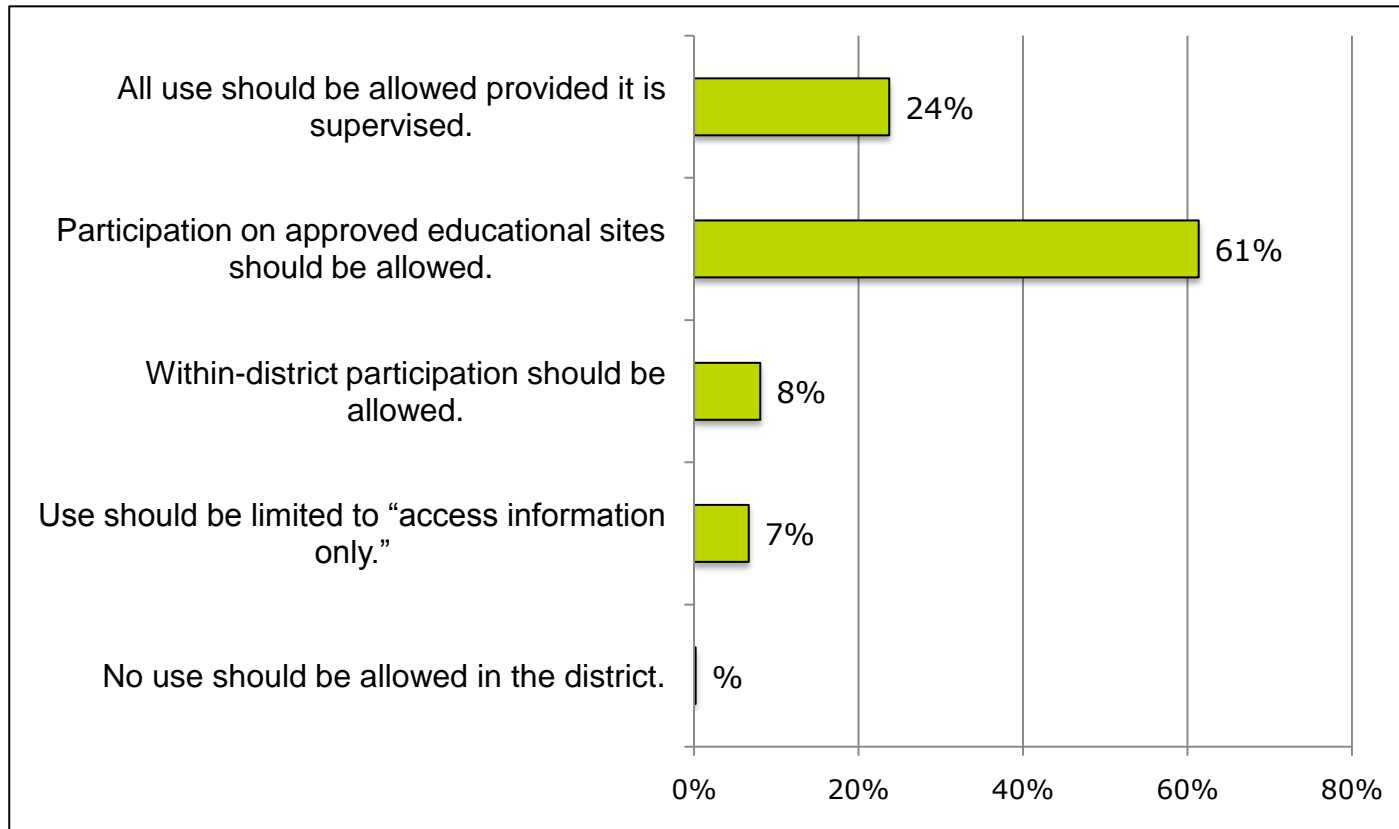
Schools need to change in order to become compatible with a changed world.

Protect?

The majority of district administrators believe that student use of Web 2.0 should be limited to participation on approved educational websites.

Protect? Access

District administrators with specific positions on access to Web 2.0 in schools



n=3228 Superintendents, Curriculum Directors, and Technology Directors.

Protect? Filtering

Nearly every school district in the U.S. has an Internet filtering system. 55% are more restrictive than the Children's Internet Protection Act (CIPA) requires.

Effectiveness of Filtering

- **8%** say virtually 100% effectively
- **67%** say filtering is very effective, but things slip through
- **13%** say the best we can find, but students find ways around it
- **12%** filtering system is too strict it often impedes instruction

Protect?

The percentage of district administrators classified these problems as moderate to severe

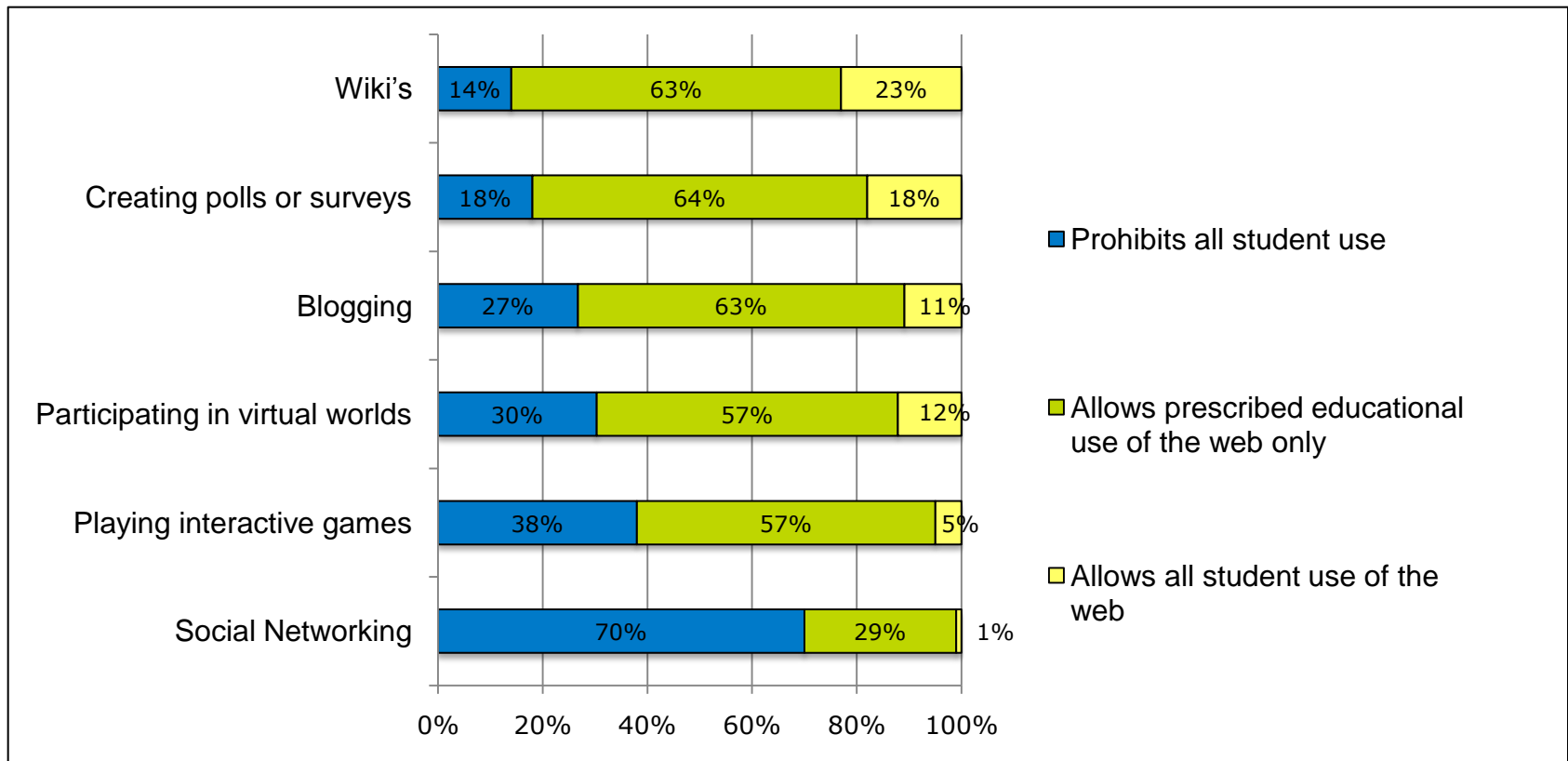
Wasting time/distraction	75%
Use of non-authoritative or biased sources	56%
Inappropriate or rude online social interactions	54%
Accessing inappropriate materials	53%
Students giving out personal information	53%
Posting inappropriate pictures or media	48%
Cheating/plagiarism	48%
Cyber bullying	45%
Using technology to cheat in other ways	43%
Inappropriate entries/use	41%
Making inappropriate contacts with strangers	27%

Preserve?

The majority of school districts allow prescribed educational use for most of the other Web 2.0 tools.

Preserve?

Percentage of technology directors reporting on Web 2.0 use allowed in their districts



n= 907 Technology Directors.

Preserve?

The use of these tools in American classrooms remains the province of individual pioneering classrooms.

Progress? Disruptive Change

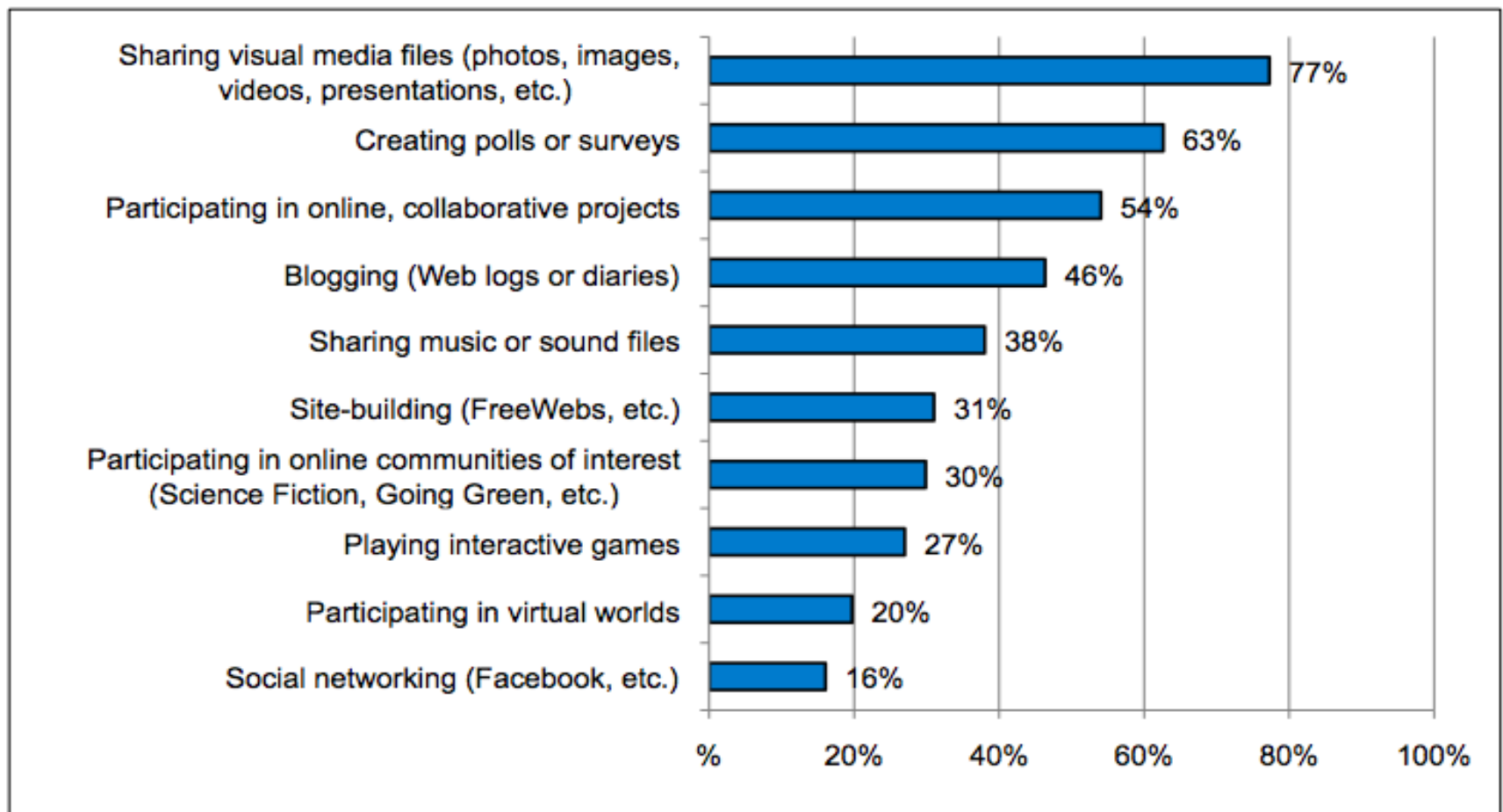
Puts the organization in new path and transforms it.

Disruptive change represents a break with the way an organization structures policies, practices, roles and rules.



Progress?

Web 2.0 applications used in teaching materials, adopted by the district, or specifically included in the district's formal curriculum.



What Stands in the Way?

School districts are more focused on dealing with the **problems** of Web 2.0 than on **challenges** to leverage Web 2.0 for learning.

Many district administrators said that educators in their districts were **not sufficiently familiar** with Web 2.0 to understand it fully, much less ready to redesign schooling.



What Stands in the Way?

- Broadband
- Hardware
- Filtering
- Mobile Devices
- Parental/Citizen Concerns
- Organizational/ Professional Development
- District – Level Leadership



How Do We Get There?

Web 2.0 in Schools: Policy and Leadership Initiative

Help district level administrators successfully deal with the policy and leadership challenges, as well as the opportunities presented by Web 2.0 and the emergence of “participatory culture”.



Leading with Web 2.0

Administrator's Guide to Collaborative Tools in K–12 Education

Goal

Help school administrators use Web 2.0 applications to transform teaching and learning in their district.



Tips for Leading with Web 2.0

- Understand the educational potential of Web 2.0
- Improve personal productivity with Web 2.0 tools
- Understand role of leaders (supt's, curriculum and technology)
- Use Web 2.0 to transform teaching and learning

Leading with Web 2.0

www.cosn.org/web20

COMING SOON

www.cosn.org/web20/administratorguide

Plus tools for community engagement and policy
development

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