

EDUCATIONAL TECHNOLOGY UPDATE





http://www.youtube.com/watch?v=PHmwZ96_Gos&feature=youtu.be_gdata

Growth of Mobile Technology

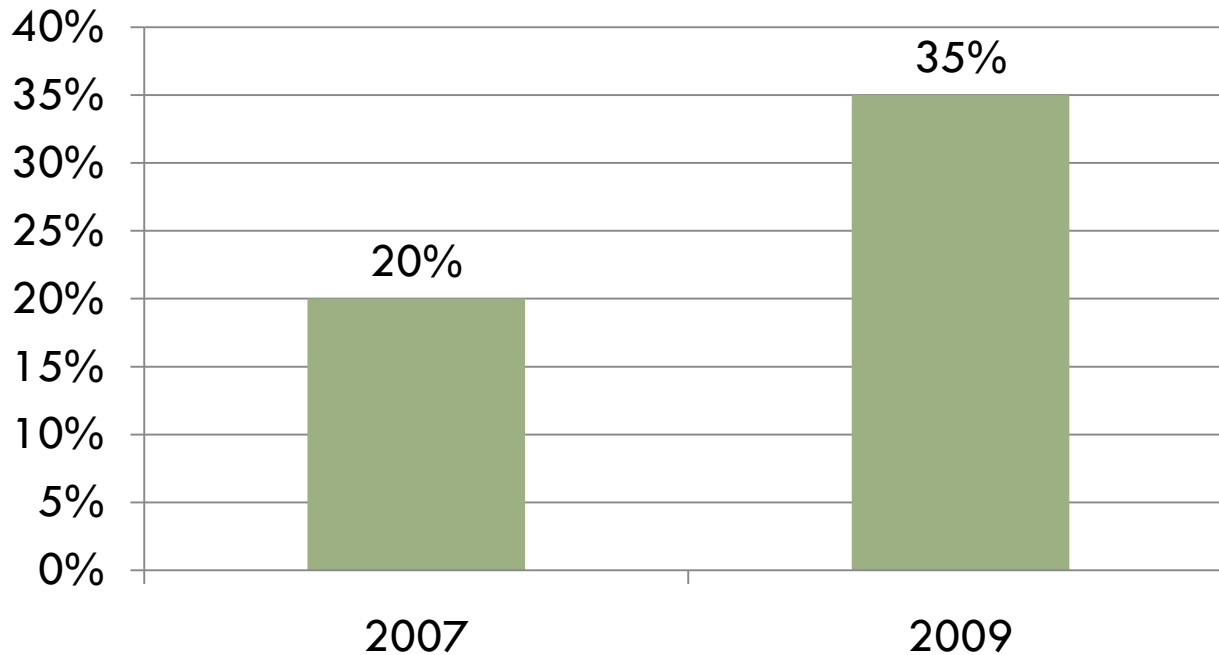
- 1.2 billion mobile phones shipped in 2009!
- 17% of those 1.2 billion phones were smart phones.
- Mobile Internet is outpacing desktop Internet adoption.

Representative Rob Eissler



Growth of Mobile Technology

Smartphone use among students in Texas High Schools

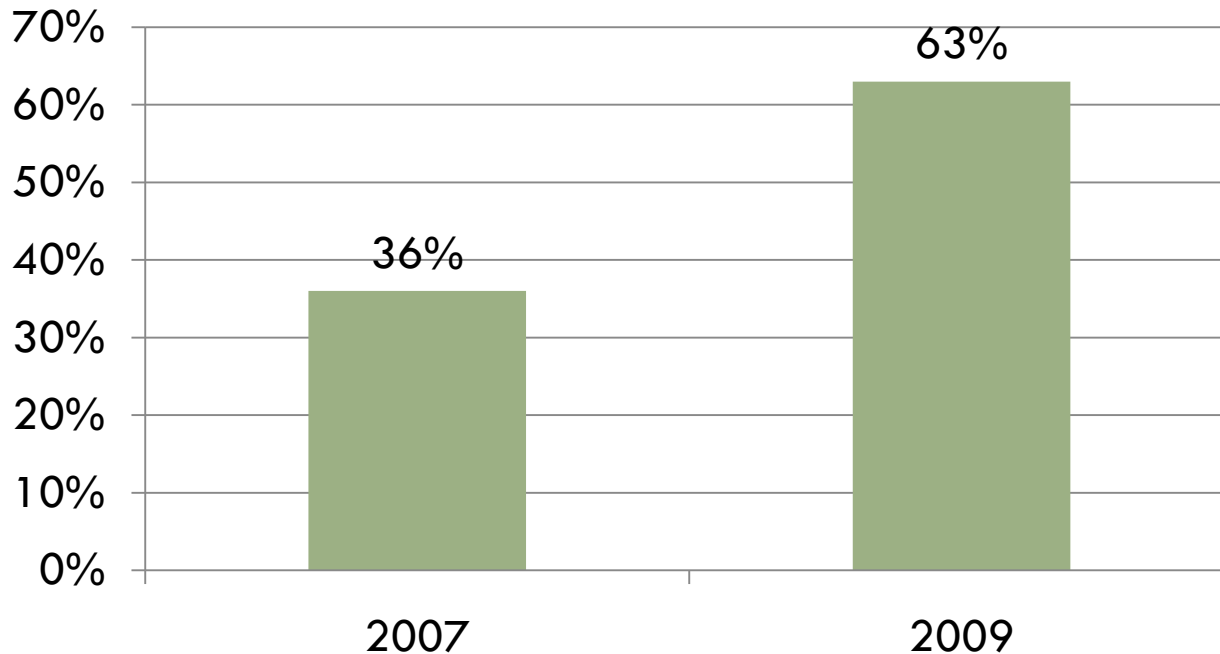


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Growth of Mobile Technology

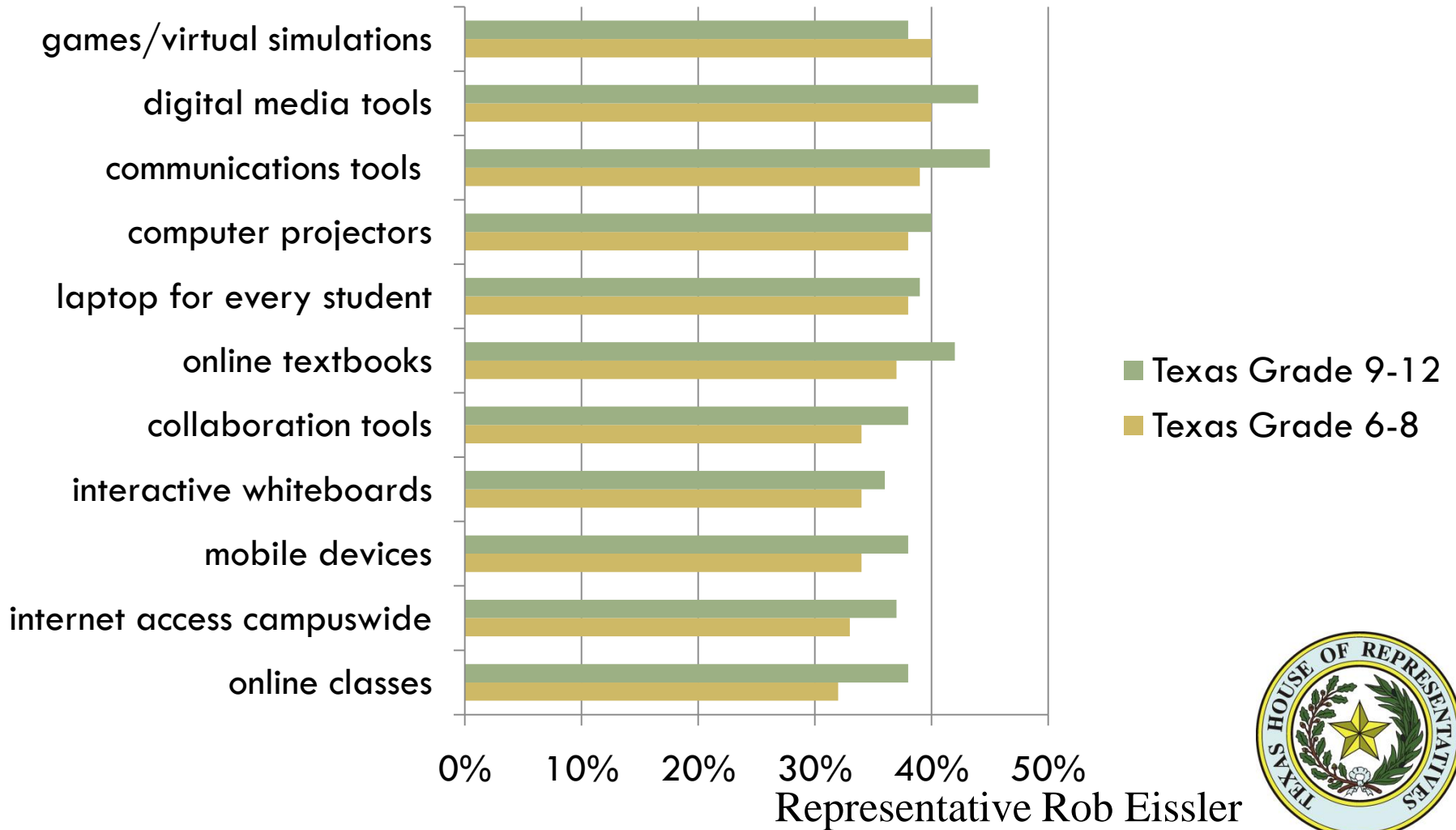
Laptop use among students in Texas High Schools



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Student Demand in the Ultimate School



Bottom Line

- Students are moving forward with technology – will public schools come along or be left behind?

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Promoting Learning through Technology in Texas

- **HB 4294** – Electronic Textbooks and Instructional Materials
- **Texas Virtual School Network (VSN)** – Quality Online Courses
- **Vision 2020 Grants** – Supporting Best Practices
- **Project Share** – Portal for teachers and students

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House Bill 4294

- Requires the commissioner of education to adopt a list of electronic textbooks and instructional materials – *the Commissioner's List*.
- The list will be available summer 2010.

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House Bill 4294

Materials on the Commissioner's List must:

- ❑ be reviewed by a panel of experts in subject area content and educational technology;
- ❑ include coverage of the TEKS and indicate the percentage of coverage;
- ❑ include teacher training; and
- ❑ meet the National Instructional Materials Accessibility Standard.

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House Bill 4294

- Content provider can update content or navigational features after notice to the commissioner.
- The commissioner may remove electronic materials from the list, if a panel of experts recommend the removal.

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House Bill 4294

- The State Board of Education must be given the opportunity to comment on instructional materials before materials are placed on the Commissioner's List.

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House Bill 4294

- Schools may select electronic materials on the Commissioner's List paid for by the state textbook fund.
- Schools may purchase technological equipment necessary to use electronic materials paid for by the state textbook fund using textbook credits.

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House Bill 4294

- Schools would be required to maintain a class set of textbooks for each subject and grade level in the foundation and enrichment curriculum.
- SBOE rules defines classroom set as the total count of SBOE adopted textbooks necessary to provide one copy to each student during the class period. The classroom set requirement begins with Proclamation 2010.
- Schools are required to annually certify that the school provides students with instructional materials that cover the TEKS for that subject and grade level.

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Texas Virtual School Network

- A growing number of students and districts are accessing online courses through the Texas VSN.
- Texas VSN began offering courses in January 2009.
- Texas VSN ensures that students have access to courses evaluated against and aligned with curriculum standards.

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Texas Virtual School Network

- Courses are funded by the state through an allotment based on successful course completion.
- All courses are taught by Texas-certified teacher who have received professional development to in highly interactive online environment.
- Students may earn college credit through Advanced Placement and dual credit courses.

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Texas Virtual School Network

- The Texas VSN makes available all courses needed for the Recommended High School graduation plan.
- The Texas VSN has expanded to 16 *provider districts* (10 districts/charters/ESCs and six IHEs) offering more than 40 course titles and nearly 10,000 seats to 313 *receiver districts*.

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Vision 2020 Grants

- Funded by NCLB, Enhancing Education Through Technology, Title II, Part D
- The primary goal is to increase the academic progress of teachers and students who are participating in the grant.

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Vision 2020 Grants

- Focused on the best practices from earlier Texas pilots, such as the Virtual School Pilot (VSP) and the Technology Immersion Pilot (TIP).

- Two strands of the grant:
 - Immersion Strand – Professional development, wireless mobile computing devices for students and teachers and electronic resources.
 - Texas VSN Strand – Online access to courses that students cannot access.

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Project Share

Project Share is the portal through which teachers and students will communicate, collaborate, and access 21st century digital content.

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Project Share – Phase 1

- Professional Learning Communities (PLC)
 - Discussions, collaboration, and sharing among educators
 - Ongoing learning opportunities for PD participants

- Professional Development
 - Science, Math, ELA and CTE TEKS
 - English Language Proficiency Standards (ELPS)
 - College and Career Readiness Standards (CCRS)

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Project Share – Phase 1

□ Access to Digital Content

- To provide access to a variety of repositories for use in professional development and classroom instruction

□ Planning for ePortfolio Pilots

- To explore student portfolios of coursework (essays, research papers, audio and video files of academic presentations and artistic performances) and other examples of academic and extracurricular activities

□ Planning for ePortfolio Assessment

- To explore new forms of evaluation of student work

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Resources on Texas Initiatives

- Texas Legislature – www.capitol.state.tx.us
- Texas Education Agency – www.tea.state.tx.us

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Sources

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