

2008 Facility and Technology Bond Task Force
Curriculum and Technology Initiatives

2008 Facility & Technology Task Force

Curriculum and Technology Recommendations for Initiatives

January 10, 2008

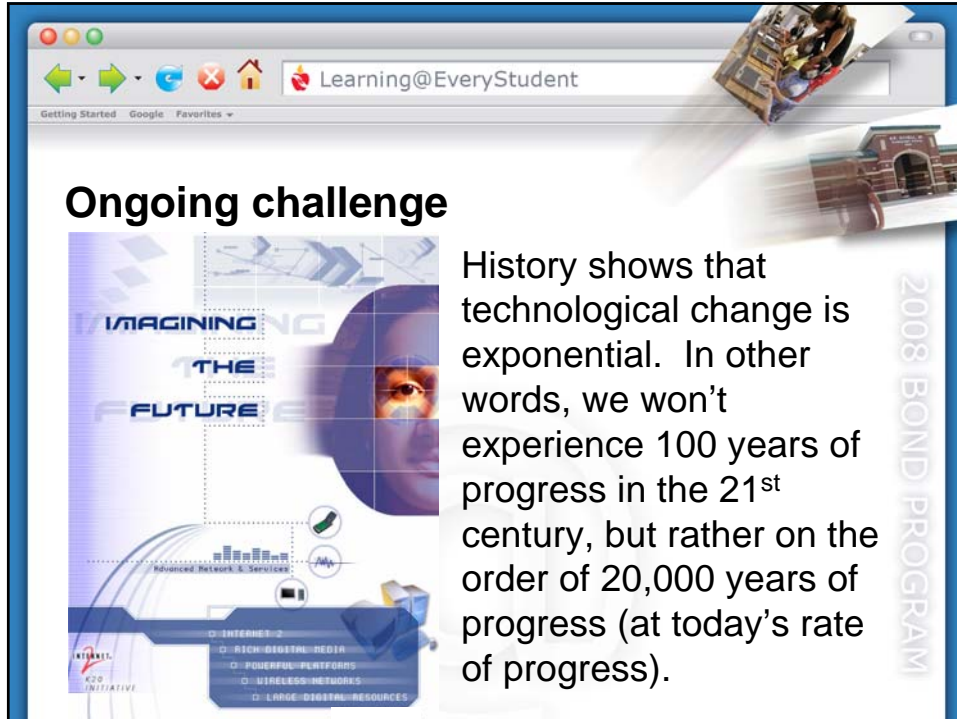
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The future is here already...

It's just not widely distributed yet!

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2008 Facility and Technology Bond Task Force Curriculum and Technology Initiatives

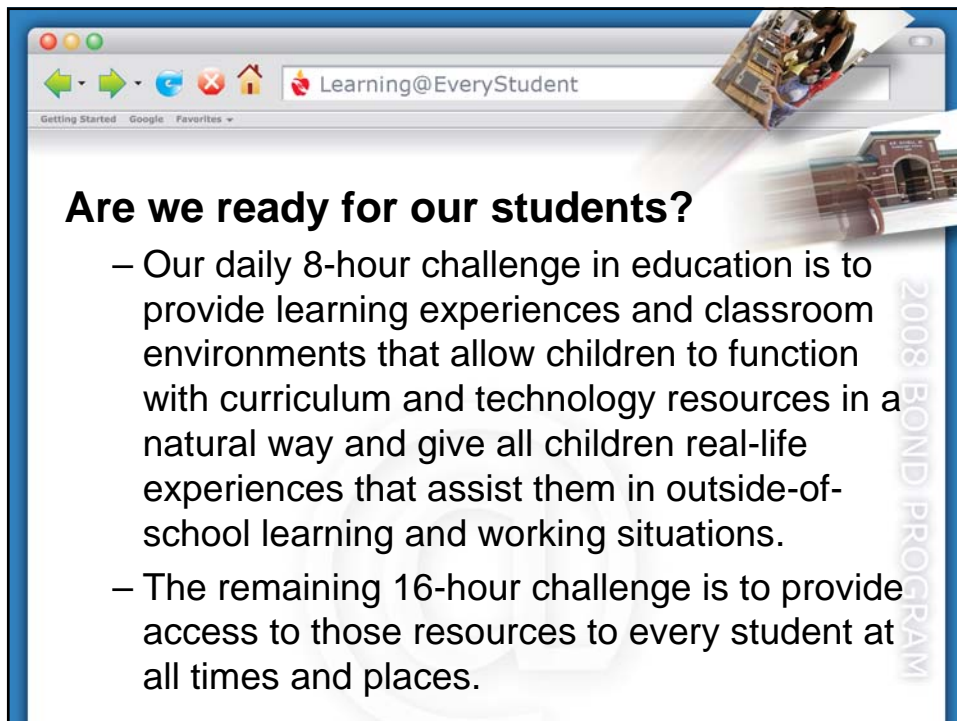


Ongoing challenge

History shows that technological change is exponential. In other words, we won't experience 100 years of progress in the 21st century, but rather on the order of 20,000 years of progress (at today's rate of progress).

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The slide features a futuristic graphic with the text 'IMAGINING THE FUTURE' and a list of technology initiatives: INTERNET, RICH DIGITAL MEDIA, POWERFUL PLATFORMS, WIRELESS NETWORKS, and LARGE DIGITAL RESOURCES. The browser address bar shows 'Learning@EveryStudent' and the page title is 'Getting Started Google Favorites'.



Are we ready for our students?

- Our daily 8-hour challenge in education is to provide learning experiences and classroom environments that allow children to function with curriculum and technology resources in a natural way and give all children real-life experiences that assist them in outside-of-school learning and working situations.
- The remaining 16-hour challenge is to provide access to those resources to every student at all times and places.

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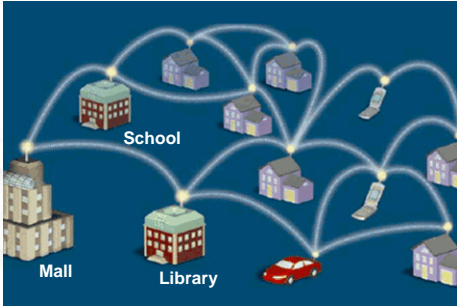
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This century we're going to learn a lesson about what it means to be unable to forget anything. (Charles Stross)

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The students are the network

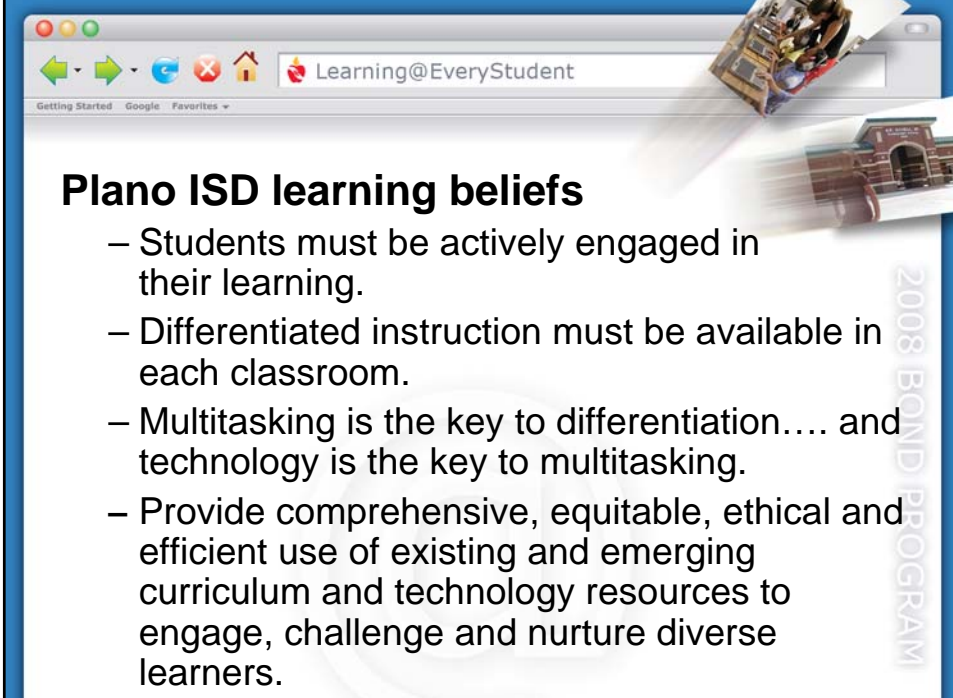
- In classrooms
- At home
- On the street
- At their friends' homes
- At Starbucks 
- On multiple devices
- Everywhere
- All the time



Once an organization loses its spirit of pioneering and rests on its early work, its progress stops.
Thomas J. Watson, IBM

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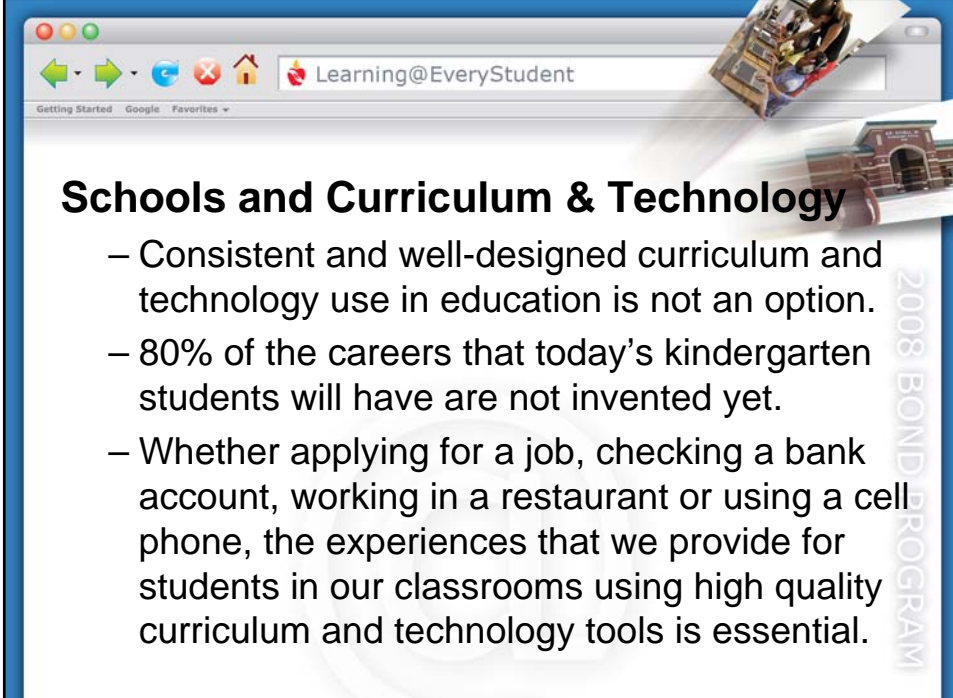
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Plano ISD learning beliefs

- Students must be actively engaged in their learning.
- Differentiated instruction must be available in each classroom.
- Multitasking is the key to differentiation.... and technology is the key to multitasking.
- Provide comprehensive, equitable, ethical and efficient use of existing and emerging curriculum and technology resources to engage, challenge and nurture diverse learners.

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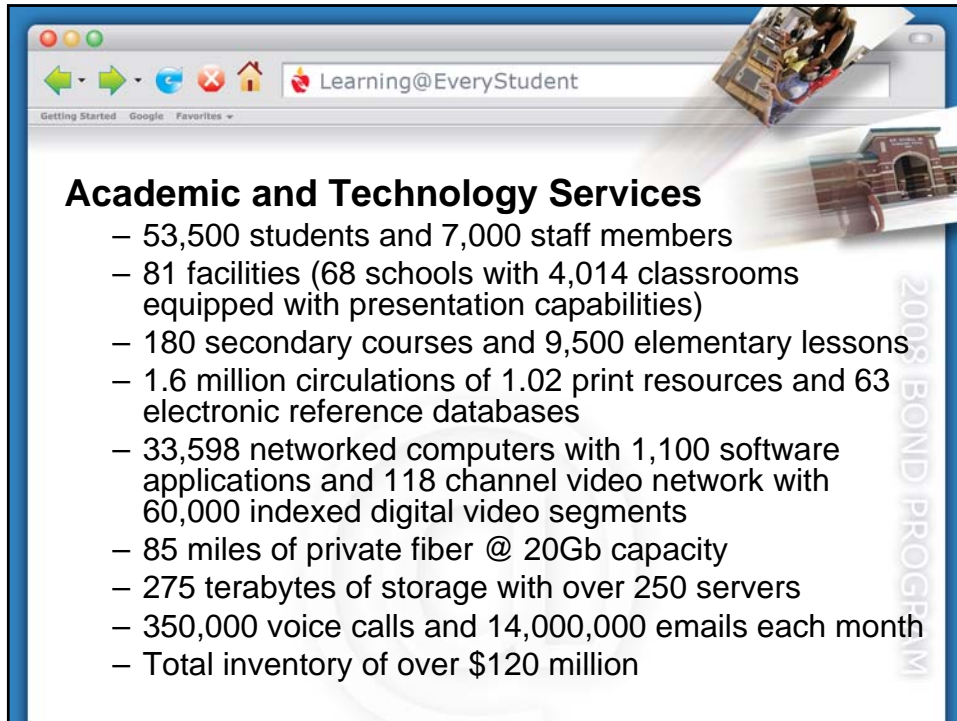


Schools and Curriculum & Technology

- Consistent and well-designed curriculum and technology use in education is not an option.
- 80% of the careers that today's kindergarten students will have are not invented yet.
- Whether applying for a job, checking a bank account, working in a restaurant or using a cell phone, the experiences that we provide for students in our classrooms using high quality curriculum and technology tools is essential.

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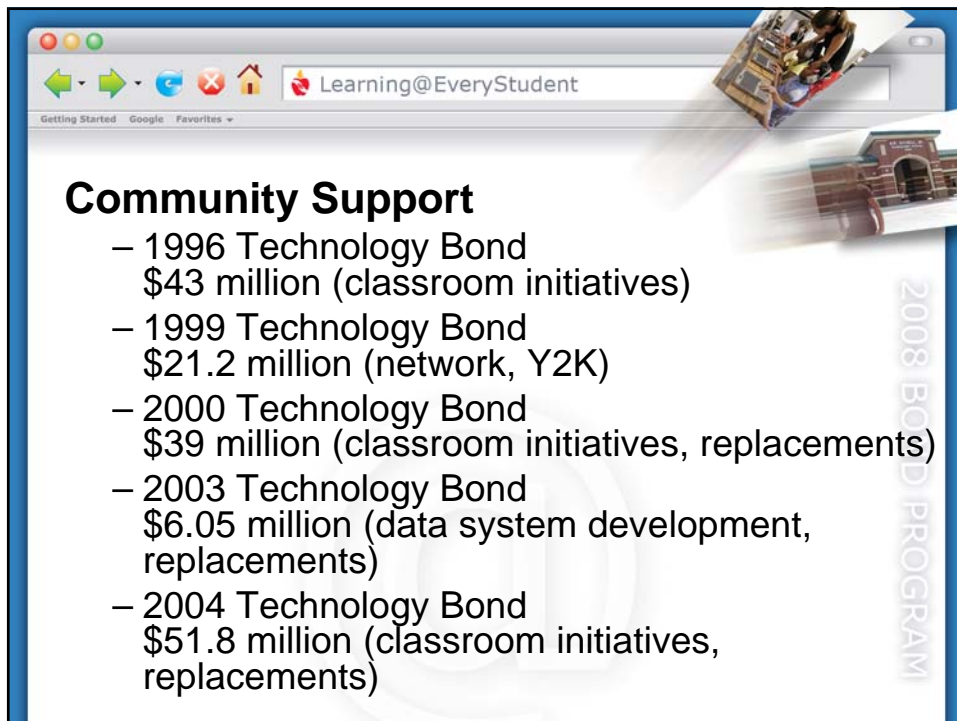
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Academic and Technology Services

- 53,500 students and 7,000 staff members
- 81 facilities (68 schools with 4,014 classrooms equipped with presentation capabilities)
- 180 secondary courses and 9,500 elementary lessons
- 1.6 million circulations of 1.02 print resources and 63 electronic reference databases
- 33,598 networked computers with 1,100 software applications and 118 channel video network with 60,000 indexed digital video segments
- 85 miles of private fiber @ 20Gb capacity
- 275 terabytes of storage with over 250 servers
- 350,000 voice calls and 14,000,000 emails each month
- Total inventory of over \$120 million

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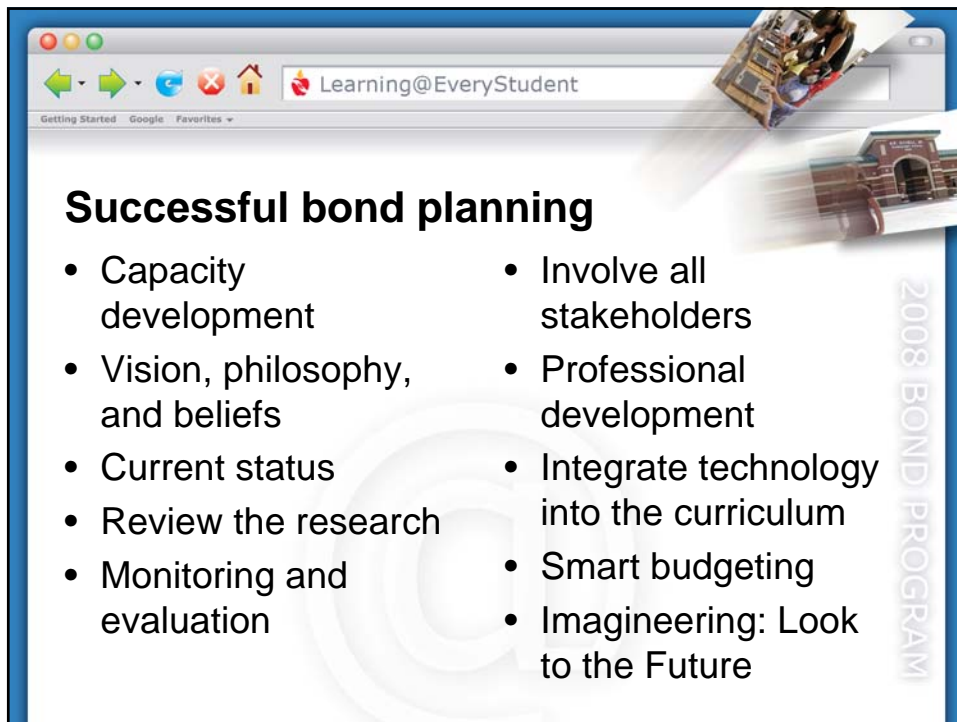


Community Support

- 1996 Technology Bond
\$43 million (classroom initiatives)
- 1999 Technology Bond
\$21.2 million (network, Y2K)
- 2000 Technology Bond
\$39 million (classroom initiatives, replacements)
- 2003 Technology Bond
\$6.05 million (data system development, replacements)
- 2004 Technology Bond
\$51.8 million (classroom initiatives, replacements)

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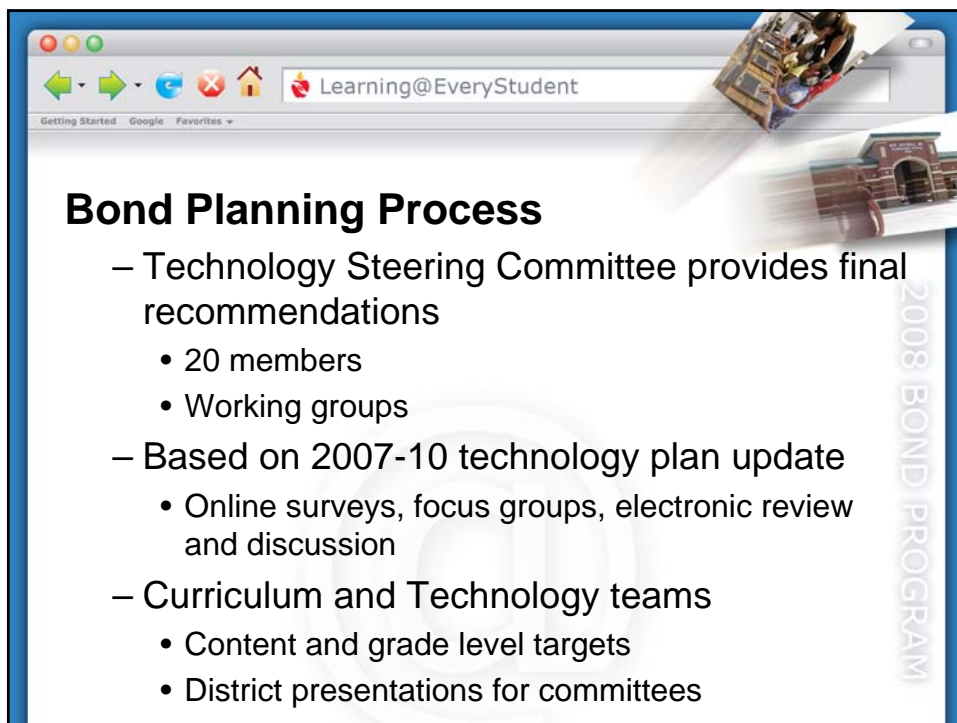
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Successful bond planning

- Capacity development
- Vision, philosophy, and beliefs
- Current status
- Review the research
- Monitoring and evaluation
- Involve all stakeholders
- Professional development
- Integrate technology into the curriculum
- Smart budgeting
- Imagineering: Look to the Future

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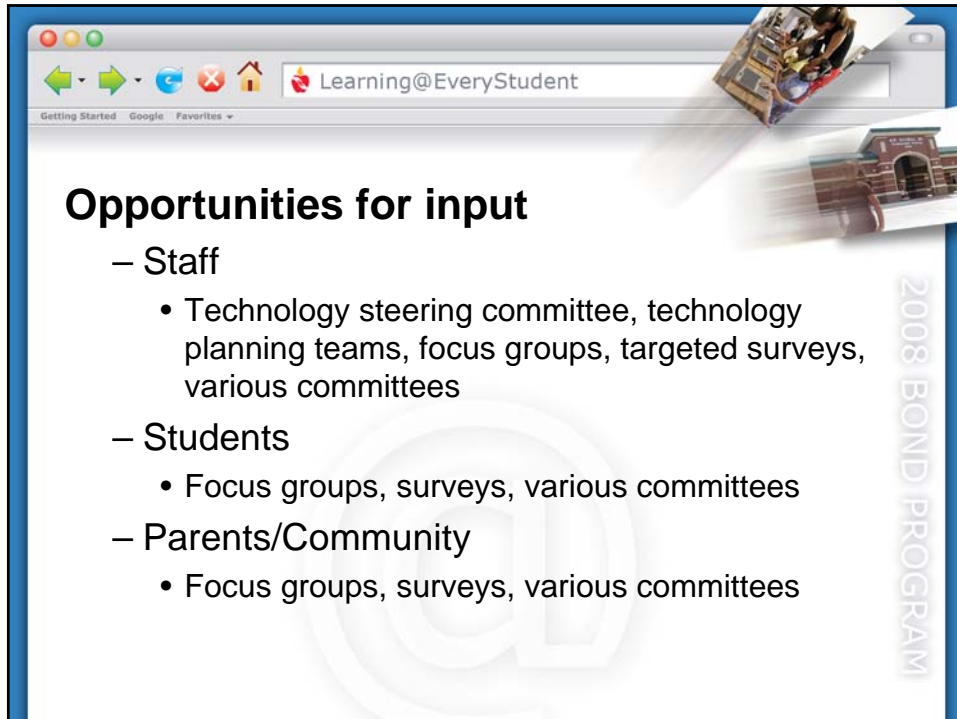


Bond Planning Process

- Technology Steering Committee provides final recommendations
 - 20 members
 - Working groups
- Based on 2007-10 technology plan update
 - Online surveys, focus groups, electronic review and discussion
- Curriculum and Technology teams
 - Content and grade level targets
 - District presentations for committees

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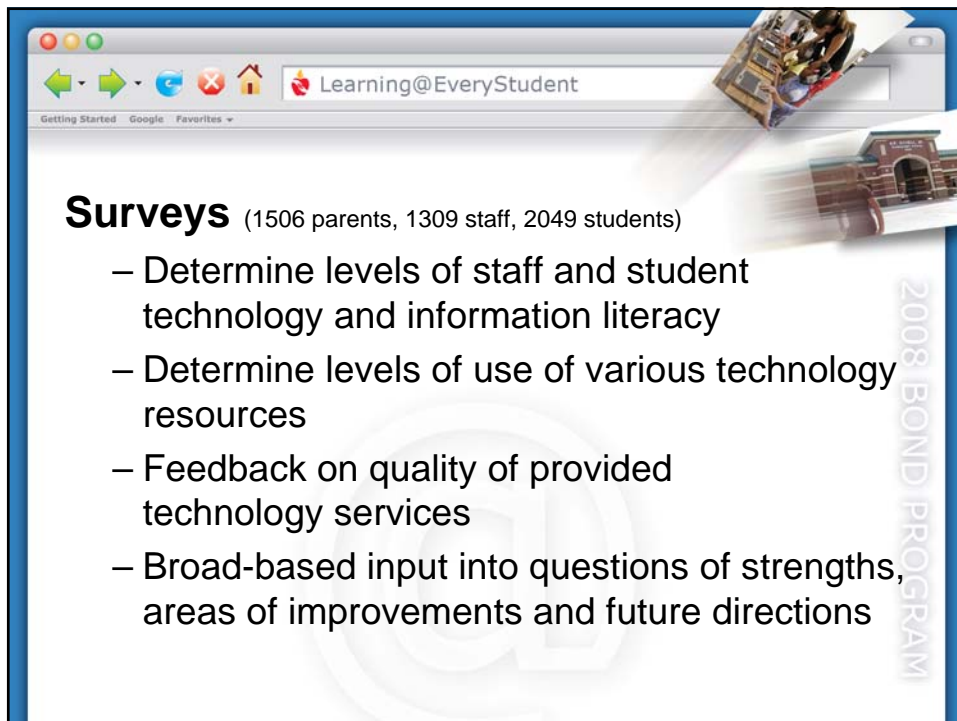


The slide is presented within a browser window with the address bar showing 'Learning@EveryStudent'. The slide content is as follows:

Opportunities for input

- Staff
 - Technology steering committee, technology planning teams, focus groups, targeted surveys, various committees
- Students
 - Focus groups, surveys, various committees
- Parents/Community
 - Focus groups, surveys, various committees

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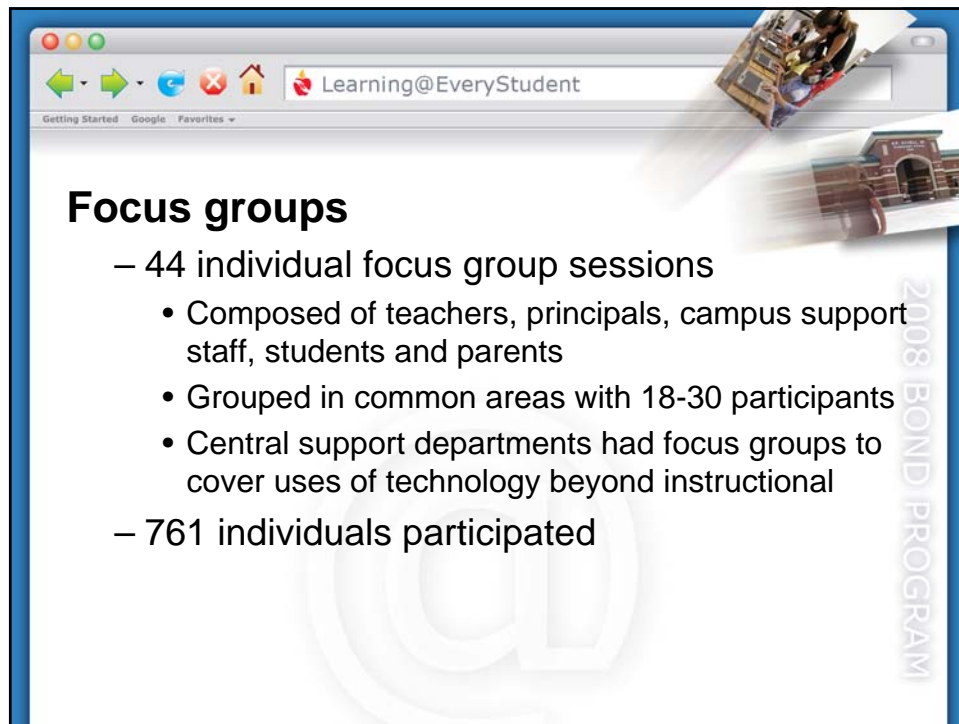
Surveys

(1506 parents, 1309 staff, 2049 students)

- Determine levels of staff and student technology and information literacy
- Determine levels of use of various technology resources
- Feedback on quality of provided technology services
- Broad-based input into questions of strengths, areas of improvements and future directions

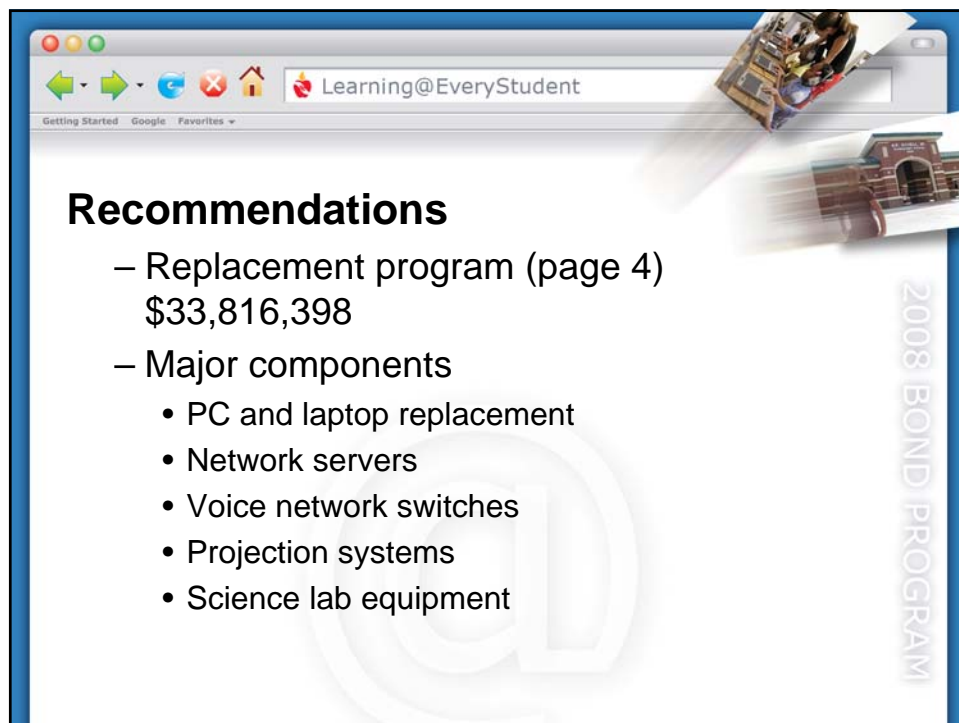
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Focus groups


- 44 individual focus group sessions
 - Composed of teachers, principals, campus support staff, students and parents
 - Grouped in common areas with 18-30 participants
 - Central support departments had focus groups to cover uses of technology beyond instructional
- 761 individuals participated



Recommendations

- Replacement program (page 4)
\$33,816,398
- Major components
 - PC and laptop replacement
 - Network servers
 - Voice network switches
 - Projection systems
 - Science lab equipment

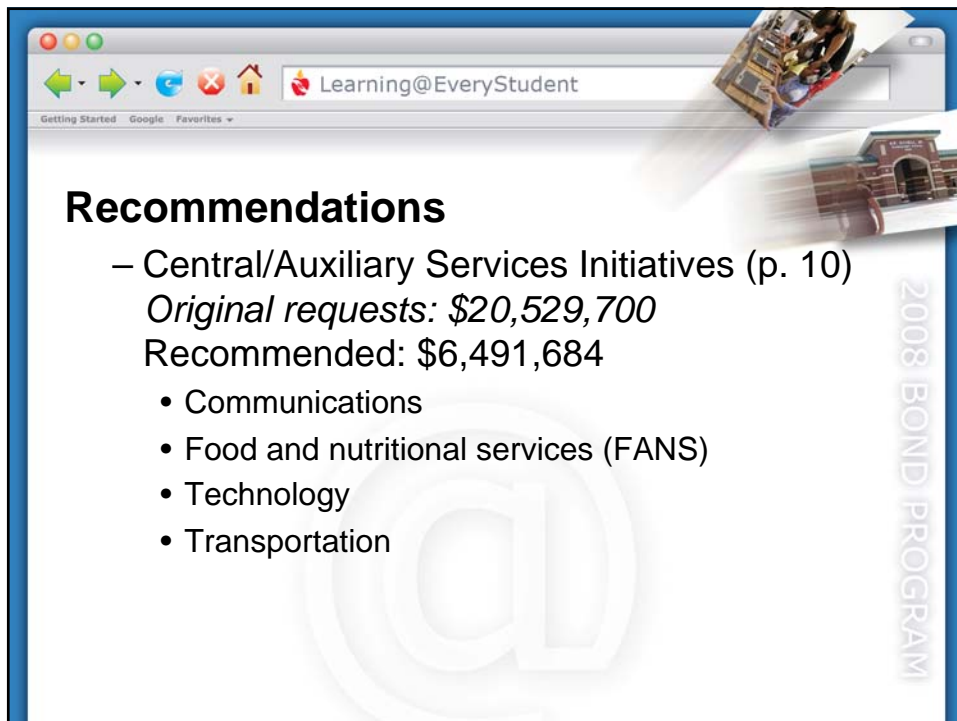
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Recommendations

- Classroom Technology Initiatives
Original requests: \$52,017,517
Recommended: \$25,782,914
 - Districtwide (page 5)
 - Digital visual presenters
 - PC operating and productivity systems
 - Digital cameras
 - Web-based enterprise applications
 - Curriculum specific (page 6)
 - 41 individual content and grade level initiatives
 - Improvements at every campus

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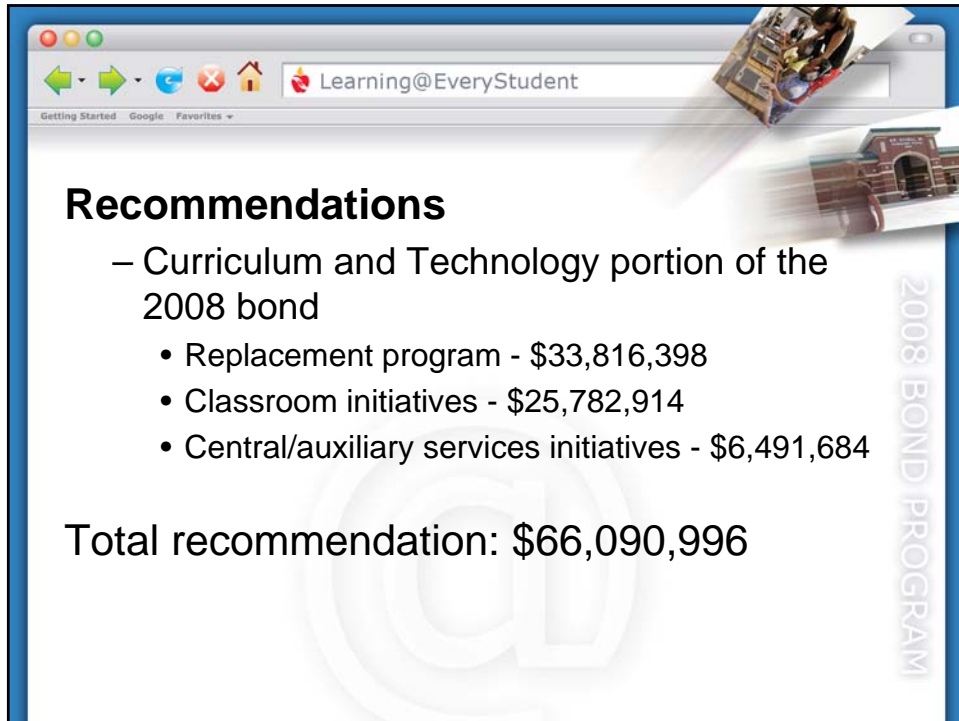


Recommendations

- Central/Auxiliary Services Initiatives (p. 10)
Original requests: \$20,529,700
Recommended: \$6,491,684
 - Communications
 - Food and nutritional services (FANS)
 - Technology
 - Transportation

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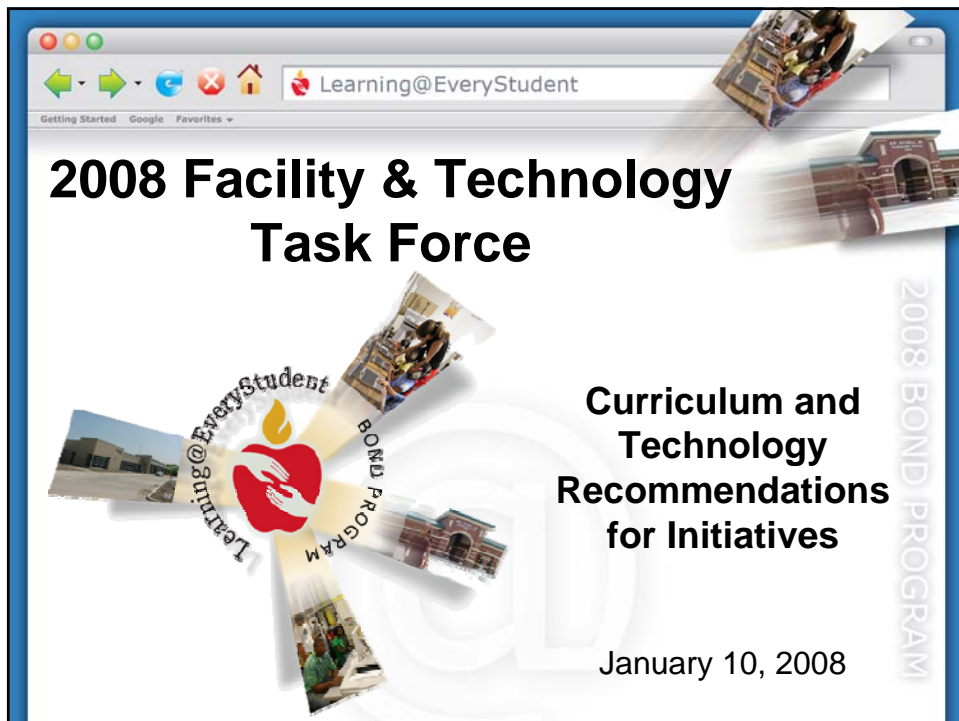


Recommendations

- Curriculum and Technology portion of the 2008 bond
 - Replacement program - \$33,816,398
 - Classroom initiatives - \$25,782,914
 - Central/auxiliary services initiatives - \$6,491,684

Total recommendation: \$66,090,996

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**Curriculum and
Technology
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for Initiatives**

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