Technology Plan Presentation

Presented to the Board of Education
11/14/2011

Team Introduction

- Team purpose
  - To develop a 3 year technology plan that meets the requirements of the Illinois State Board of Education
- Team membership
  - Tracy Simon, Instructional Technology Coordinator
  - Steve Davis, Director of Informational Technology
  - Dr. Mary Gricus, Assistant Superintendant
  - Gina Rodewald, former Principal of Central School
  - Sonya Raymond, Teacher
  - Michelle Rakoczy, Teacher
  - Eileen Covert, Teacher
  - Judy Baptist, former Teacher
  - Marge Ihde, Tech Assistant
  - Mary Pollard, Parent
  - John Dickson, Parent

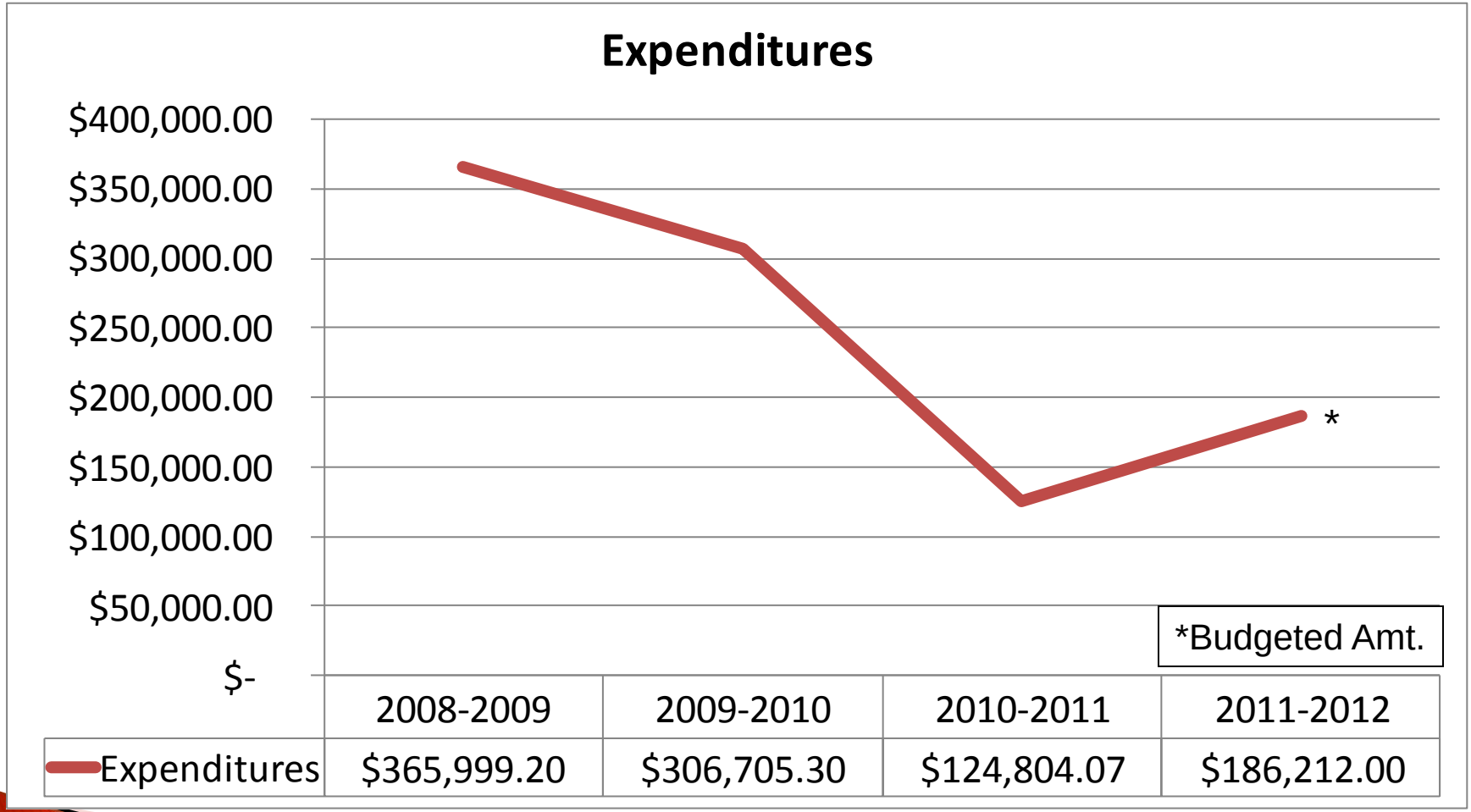
Tech Plan History

- Plan approved and monitored by ISBE
- 3 year cycle
- E-Rate Priority One Requirement
  - Federal reimbursement program for telecommunication services
  - Prior to 2011, Tech Plan was required for E-Rate
  - E-Rate requirement changed in 2011
  - Although not currently required for 113A, we maintain a tech plan in anticipation of potential changes or future grant opportunities

Data Collection

- Review of technology spending
- Hardware & software inventories
- Student technology proficiency exam
- Staff survey
- Parent/Community survey
- Student survey
- Discussions with staff, administrators, parents

Technology Financing



	2008-2009	2009-2010	2010-2011	2011-2012
Expenditures	$365,999.20	$306,705.30	$124,804.07	$186,212.00

Hardware Inventory

- 700 computers in the district with high speed Internet access*
- Desktop Computers
  - 35 desktop computers @ 2-5 years
  - 440 desktop computers @5+ years**
- Laptop/Netbook Computers
  - 13 netbooks @less than 2 years*** (PTO donation to RV)
  - 20 laptops @2-5 years
  - 7 laptops @5+ years
- Tablet Computers
  - 180 @2-5 years
- Servers
  - 4 @less than 2 years
  - 1 @2-5 years
  - 7 @5+years

In many cases, the current industry standard for a desktop computer is 4 to 5 years, while that of a laptop computer is 2 to 3 years

*All numbers are approximate
**lab/classroom computers purchased between 2002-2009, they are now 6-9 years old
***23 more netbooks purchased in 2010

Software

- Student Use
  - Google Docs for desktop publishing
  - Photo Story3 for digital storytelling
  - Ultra Key, Kid Pix, Inspiration, Timeliner
  - Textbook and curriculum related programs
- Subscriptions
  - Discovery Education/UnitedStreaming
- Internet/Web Based activities

Data Highlights

- Students
  - 73% are proficient in technology operations and concepts
  - 12% are proficient in applying digital tools for research
- Staff
  - 65% confident building/assessing lessons in lab
  - 10% take students to lab >than 1 hour/week
- Parents
  - 83% say they themselves have good computer skills
  - 78% would support more funding for technology
  - 86% rank technology in top 5 of all school needs

Data Conclusions

- Limited funds for technology
- Community supports technology use, and ranks it as a top need for our schools
- Staff are comfortable users of technology, but need more training to integrate into lessons
- Availability and time to use technology is limited, thus affecting student proficiency

Plan Overview

- Success measured by ISAT improvement
- Four sections, with strategies/activities
- Most schools strategically plan for replacement and adoption of new technology
- 113A plan, given budget restraints, deliberately seeks to maintain current status

1. Curriculum & Instruction

- Use network and online resources
  - Video on-demand, free web tools
- Participate in lessons/activities to build skills
  - Lessons meeting NETS standards, homework

Google Applications for Education

KHANACADEMY

NETS for Students 2007

1. Creativity and Innovation
2. Communication and Collaboration
3. Research and Information Fluency
4. Critical Thinking, Problem Solving, and Decision Making
5. Digital Citizenship
6. Technology Operations and Concepts

2. Professional Development

- Learn & use new technologies
  - In-house no-cost training, informal mentoring
- Develop technology-integrated learning projects
  - Align with Technology Scope & Sequence, in-service

3. Parent/Community Involvement

- Improve communications and online services
  - E-mail, E-commerce, and Parent Connect
- Provide information on resources available
  - District Website, Recommendations from Specialists, List of resources
- Identify new funding resources
  - PTO, Foundation and key Village and community members

School District 113A
Educational Foundation

LEMONT PTO
www.LemontPTO.org

4. Tech Deployment

- Network will be updated and maintained
  - Network devices and servers, phones, district web site, and licenses/service contracts
- Hardware and software will be updated, maintained and purchased where necessary
  - Computers and peripherals, cell phones, and software licenses

Moving forward with External Support

- Educational Foundation
  - BrainPop subscription
  - MP3 players
  - Mimio Interactive Systems
  - I-Pads
- PTO organizations
  - Netbooks at RV 2010-2011
  - Mimio Interactive Systems
- Title 1 Grant for FY12
  - 40 netbooks on 2 mobile carts
  - IXL and ALEKS math intervention subscriptions

Teacher Demos

Summary

- Current technology dated but usable for now
- Staff finding creative, less expensive ways to leverage existing technology in the classroom
- Technology growth is limited to external donations without additional district funding
- Increased technology access and instructional integration could increase student success