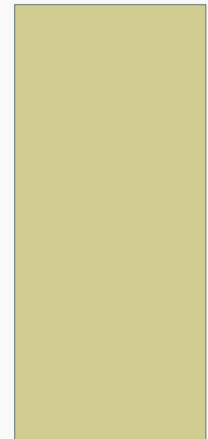


# ANNUAL TECHNOLOGY UPDATE

OAK PARK SCHOOL DISTRICT 97



Dr. Albert Roberts  
Julie Mullen  
December 11, 2012

# OVERVIEW

- Development of Tech Vision Statement
- Implementation of the Plan
- Current Status
- Moving Forward

# HISTORY

## **2009**

Development of Tech Vision Statement

## **2010**

Development of 5 year tech plan

Approval of year 1 funding

Approval of 3 year state plan

## **2011**

Passage of referendum

Implementation of tech plan year 2

# STATE OF TECHNOLOGY 2009

- Most technology use took place in computer labs
- Classrooms were low-tech
- Instruction was teacher centered



# STATE OF TECHNOLOGY 2009

- Teachers were excited about technology
- Computer use grew
- Infrastructure and network were unreliable

# TECH VISION

Focus on:

Integrating new technologies into curriculum

Belief that technology should be:

- Used to improve student outcomes
- Integral to teaching and learning
- Readily accessible and dependable

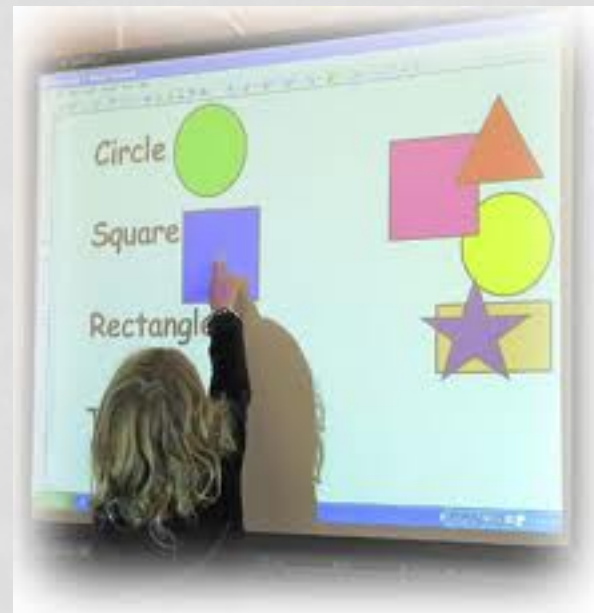
# TECH VISION

Focus on:

- Student achievement
- Differentiated Learning

Belief that instruction should be:

- Engaging
- Student centered
- Collaborative
- Interactive



# TECH VISION

Focus on:

Professional Development for Teachers

Belief that teachers should be:

- Encouraged to adopt more technology
- Educated about the usefulness of technology
- Shown how to incorporate technology into instruction



# 5 YEAR TECH PLAN

## Long-Term Goals:

- Increase teacher and student access to mobile devices
- Reach 1:1 ratio of devices to students by 2015
- Provide 99% uptime
- Fully integrate technology into instruction

# 5 YEAR TECH PLAN

## Implementation - Year 1

- Leased 410 teacher laptops
- Purchased 90 teacher laptops (ARRA)
- Purchased 240 Dell Netbooks
- Purchased 90 LCD projectors (General Ed)
- Purchased 60 LCD projectors (SPED)
- Added Systems Administrator Position (Salary and Benefits)
- Introduced 2 tech integrationists
- Increased teacher leader from .5 to 1.0
- Held 15 Professional Development Sessions and paid substitutes
- Added 12 IEP Stations (ARRA)
- Added hand-held devices

# 5 YEAR TECH PLAN

## Implementation - Year 2

- Held 15 professional development sessions and paid substitutes
- Renewed lease for 410 teacher laptops
- Leased 1,500 student netbooks
- Purchased 90 LCD projectors
- Added 2 tech integration specialists
- Added 120 iPod Touches (6 carts)

# 5 YEAR TECH PLAN

## Implementation – Year 3

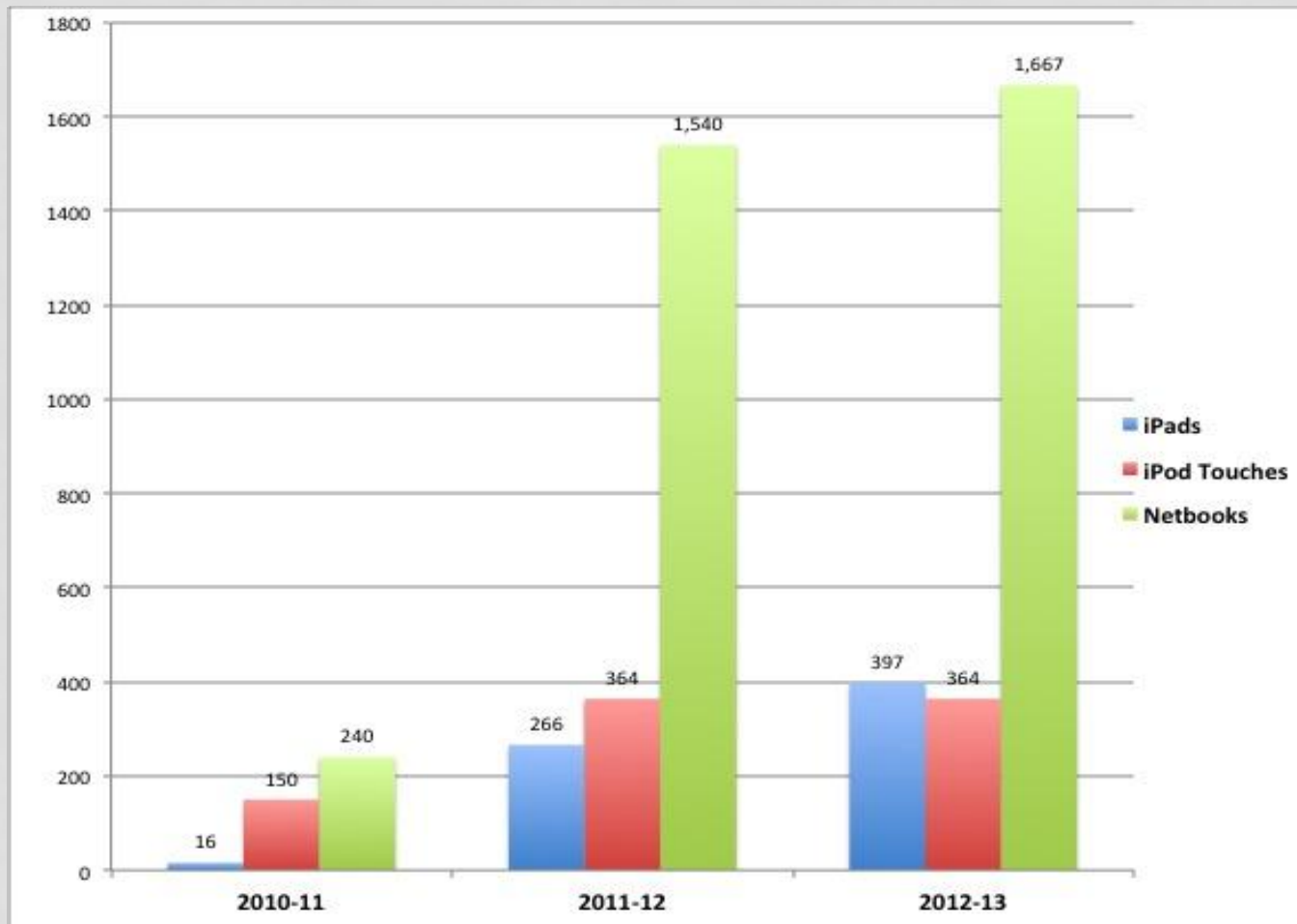
- Renewed lease for 410 teacher laptops
- Renewed lease for 1,500 netbooks
- Added 10 Data and Tech Coach Positions
- Upgraded Computer Lab iMacs
- Added 110 iPads for middle school Art
- Added a mobile device management server
- Purchased 10 LCD projectors

# GROWTH IN EQUIPMENT OVER PAST 3 YEARS

Added 3,087 Devices – almost 3 X the number of devices we had in 2009

- 1,427 Netbooks
- 405 iPads
- 240 iPod touches
- 150 Title One Laptops
- 120 SPED Laptops
- 50 SPED Desktops
- 24 SMART Boards
- 144 Elmo Document Cameras
- 264 LCD Projectors
- 300 Wireless Access Points
- 17 Servers

# GROWTH IN NETBOOKS AND MOBILE DEVICES



Growth in netbooks and mobile devices

# TREND TOWARD IPADS



- 250 Kindergarten iPads
- 110 Art Department iPads
- Almost 40 new SPED iPads and iPods
- PE Teacher iPad Pilot
- Administrative use of iPads for evaluations
- Use of iPad as document camera and interactive whiteboard

# MULTIPLE PLATFORMS



- Windows 7 on netbooks and teacher laptops
- Mac OS X 10.7 (Lion) on computer lab iMacs
- iOS 4, 5 and 6 on iPads and iPods



# TECH EQUIPMENT SURVEY FOR TEACHERS

Teachers told us they:

- Need more access to technology for themselves and for students
- Need more training in use of equipment they already have
- Wish they had technology that is more engaging and interactive

# INTERACTIVE CAPABILITY

How do we achieve interactive capability for all teachers?

- Lightraise interactive projector
- iPad as document camera and interactive whiteboard
- Achieve equity by assuring every classroom has same capability

# MOVING FORWARD

## Need

Additional wireless access points in classrooms and general purpose rooms to improve building-wide coverage

## Solution

Add 100+ wireless access points and power-over-ethernet switches, as needed

# MOVING FORWARD

## Need

Additional bandwidth to support rapid increase in number of web-based applications

- Fast Forward
- Read 180
- Write Online
- FitnessGram
- Lexia
- ISATs

## Solution

- Expand bandwidth to accommodate increased traffic
- Add router and other networking equipment as necessary

# MOVING FORWARD

Need:

To manage mobile devices more efficiently

Solution:

Have already implemented a mobile device management server, but need more licenses

# MOVING FORWARD

Staying knowledgeable about new technologies:

- Collaboration with other school districts
- Research
- Webcasts and podcasts
- Working with vendors
- Conferences
- Exchanging ideas with teachers and parents

# TECHNOLOGY ADVISORY COMMITTEE

- Comprised of key district employees and citizens who have an interest and expertise in technology
- Purpose is to review the tech plan and help guide the district's long term vision for technology
  - Educational Trends and Best Practices
  - Staff and Student Expectations
  - Implications for Policy

# POSSIBLE PILOTS

TO BE SHARED WITH THE TECHNOLOGY ADVISORY COMMITTEE

iPad plus AirServer or Apple TV  
in every classroom that does  
not have an interactive  
whiteboard



Pilot iPads and Chromebooks  
in grades 1-2





# POSSIBLE PILOTS

TO BE SHARED WITH THE TECHNOLOGY ADVISORY COMMITTEE

Pilot The Paperless Classroom



Pilot BYOD (Bring Your Own Device)



# OTHER DISCUSSION ITEMS

## FOR TECHNOLOGY ADVISORY COMMITTEE

- Which platform(s) should we use?
- Is a true 1:1 really necessary (or even desirable)?
- Should we use social media sites to promote 2-way communications? Can they be used safely and effectively?
- Should we offer BYOD as a replacement for teacher laptops?

# CONCLUSION

- Original tech vision is still relevant but could be updated to more clearly reflect the district's direction
- Need to continually adapt our plan in response to a rapidly changing technology landscape
- Need to expand the capabilities of our systems and network to handle the rapid growth and fast-paced change
- Need to stay abreast of new educational trends and changing technologies
- Need to create a more robust professional development plan to make sure we are using technology effectively

# DISCUSSION OR QUESTIONS

