

# Computer Technology Goals and Needs



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# Goals

## Board of Education 2014-15

- Ensure that the curricular program is relevant, rigorous, and incorporates appropriate instructional technologies in order to enhance learning opportunities and the achievement of all students
- Improve facilities with efficient management of resources

## District-Wide Online Testing



# Inventory-Based Chronology

## Organic Network and Wireless Infrastructure Growth

### Purchases

- 2004/05  
496 Laptops  
340 Workstations and Monitors
- 2006-2009  
106 SMARTBoards and Projectors
- 2010/11  
74 Workstations and Monitors (Administrative)

# Chronology

- 2010/11 (Continued) – 2011/12  
CSD Consultation for VMWare  
Servers Purchased
- 2013/14  
Technology Advisory Committee Established  
  
Widespread Concern for Network, Infrastructure,  
and Non-functional Devices Uncovered

# Needs

## Spring 2014, Infrastructure Audit Findings

- Network Inefficiencies and Bottlenecking
- Insufficient Processing and Storing Capacity
- Limited WiFi coverage
- Need for Disaster Recovery Plan

## Summer –Fall 2014

- New Switches Installed
- Streamline of Security Software
- Donation of Discarded Desktops and Laptops for Temporary Use
- WiFi Cat 6 Cabling Assessment and Proposal





# Needs and Vision

## Fall 2014, Equipment Assessment

- Low Processing Speed and Power Issues Among Few Remaining Laptops (27 Vernon, 42 HS)
- Increasing Frequency of Desktops Failing
- SMART Boards Decreasing in Responsiveness
- Projectors Varying in Performance Beyond Warrantee

## Laying Long-Term Foundations

- Refreshing Devices Pro-Actively
- Creating a Wireless Infrastructure and Network Robust Enough to Support 1:1

# 5-Year Plan

|                    |  |
|--------------------|--|
| <b>2014-15</b>     | Instructional Workstations, Laptops, District-Wide Wireless Cabling and Updating, New Server |
| <b>2015-16</b>     | Interactive Board Replacements, Back-Up and Disaster Recovery                                |
| <b>2016-17</b>     | Administrative Workstation Upgrade, Migration of Storage                                     |
| <b>2017-18</b>     | Upgrade of Hard-Wire Cabling from Cat5 to Cat6 and Computer Lab Update Phase 1               |
| <b>2019-20</b>     | Computer Lab Update Phase 2  |
| <b>2020-beyond</b> | Maintain and Expand Student Access and Use of Technology                                     |

# Cost Estimate

|                                   |                    |
|-----------------------------------|--------------------|
| <b>TOTAL PROJECTS<br/>5 Years</b> | \$2,300,000        |
| Projects Underway                 | -\$400,000         |
| Smart Schools Grant               | -\$250,000         |
| <b>Remaining Costs</b>            | <b>\$1,650,000</b> |



To Be Discussed February 10<sup>th</sup>:

Revenue Options  
\$1.65 million

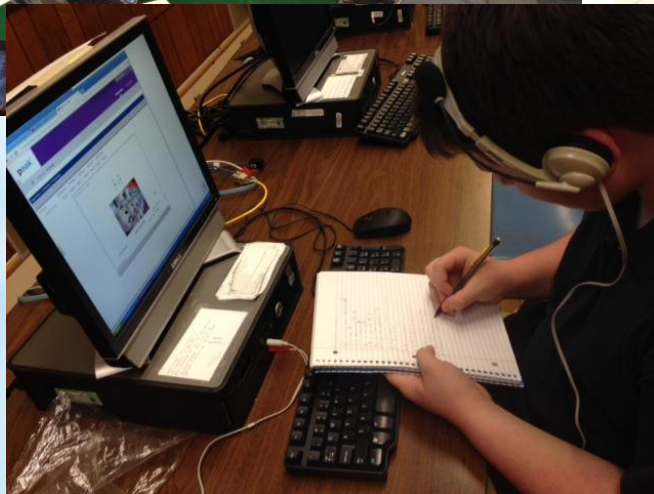
Existing Capital  
Reserves

BOND  
?

5-Yr Budget



# Exciting Instructional Technology Opportunities Await



Returning in March for an Instructional Technology Update!