

IT SYNERGY WORK SHOP OVERVIEW

Grafton Area School District



**GRAFTON
SCHOOL DISTRICT**

IT Synergy:

“An increase in the value of the organization as a result of IT alignment with the organization mission.”

AGENDA

- Who is Heartland
- Assessment Process Update
- Strengths/Challenges
- Current Technology Budget
- Current Environment Review
- Targeted State for Technology
- Questions
- Next Steps



WORKSHOP PROCESS



QUOTES

- “Provide support, training and planning for new educational technology I the district”
- “Inspire the students to be lifelong learners!”
- “Let’s go from a reactive to proactive strategy”
- “Integrate technology into teaching, to enhance teacher effectiveness and improve student learning”
- “Create a PD system that is both in person and online to house all district curriculum in an easily accessible online environment”
- “21st Century skills – 4C’s Creativity, Communication, Critical Thinking, and Collaboration”
- “Become a technology inclusive district with a mix of BYOD and one to one, with the ability to support all aspects of integration”



STRENGTH AND CHALLENGES

Overall Strength

- Executive level support for technology investments.
- The district views technology as the key to its future.
- Members of the district are motivated to use technology to enhance teaching and learning
- Departments want to leverage technology to improve operations, safety, and security.

Overall Challenges

- District lacks holistic strategic technology plan.
- Teachers need to be trained to use technology effectively.
- End User Expectations are low
- Safety /Security is outdated and not unified
- Growth in technology outpacing current capability
- 50% of IT Resources are spent on break fix

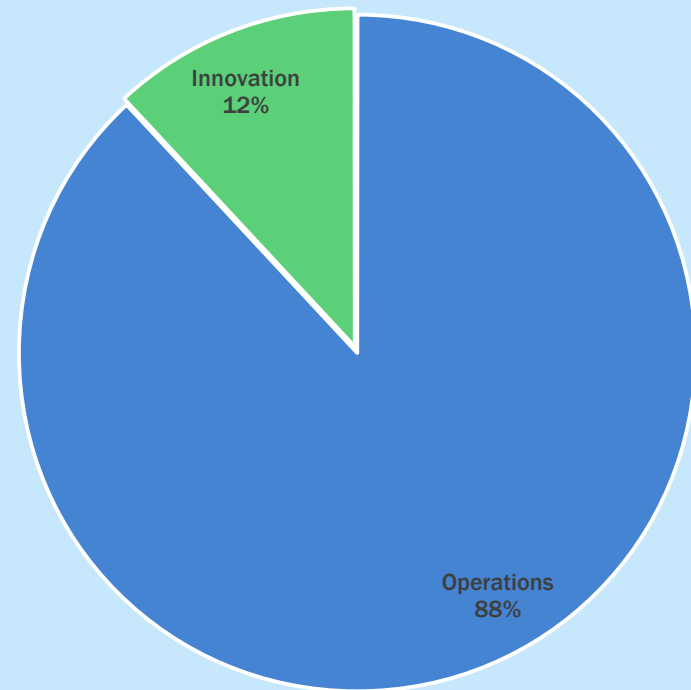


DISTRICT TECHNOLOGY BUDGET

District Technology Budget



Grafton Technology Budget Innovation



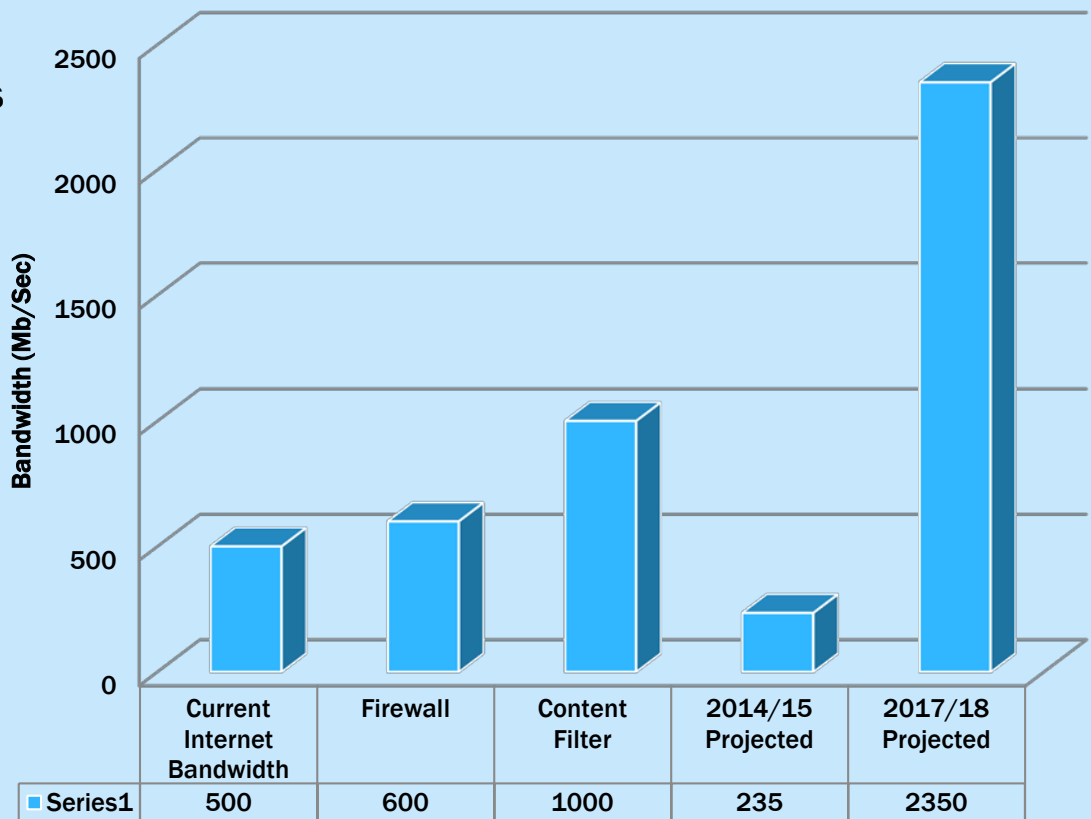
CURRENT INFRASTRUCTURE OVERVIEW

- Fiber Investment
- Limited Infrastructure Visibility
- Growing Internet Services Need
- Non Pervasive/Integrated Wireless
- Many Disparate Systems



Projected based on State Educational Technology Directors Association "Broadband Imperative Report"

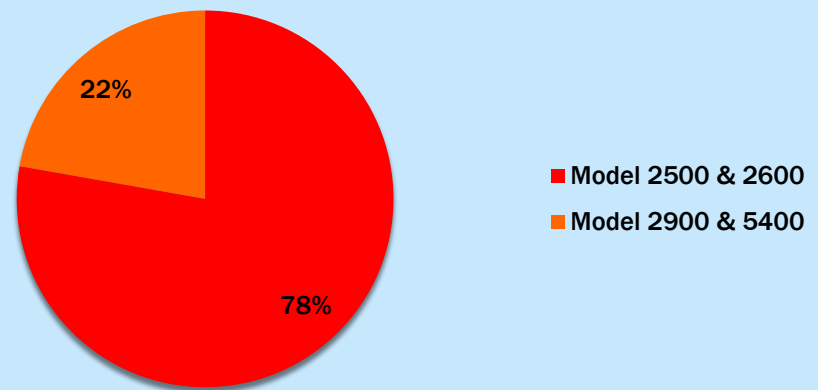
Broadband Internet



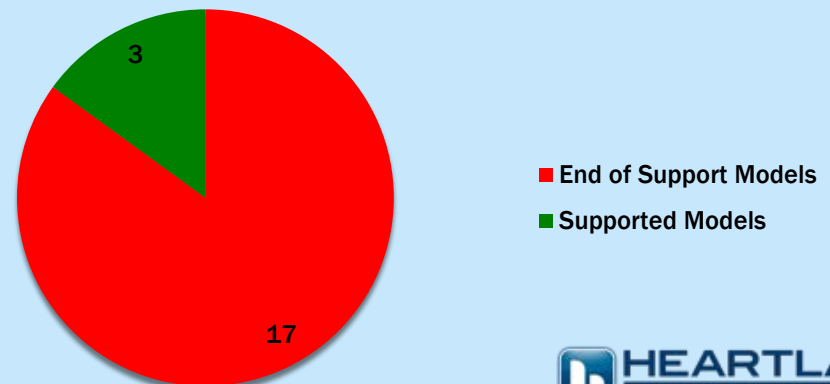
CURRENT INFRASTRUCTURE OVERVIEW

- Legacy Investments
 - HP Legacy Network
 - 47x Model 2500s from 2001-2003
 - 11x Model 2610/5400s from 2010
 - 14x Model 2910s from 2011
 - HP Wireless
 - Controller and APs from 2010
 - Additional APs added each year
 - Smoothwall Content Filter (2014)
 - Sonicwall Firewall (5 years old)
 - Mitel Phone System
 - Handsets 1997
 - Switch and Voicemail 2005
 - Server purchased each year
 - Some purchased as refurbished units
 - HP Netbooks
 - Apple Tablets
 - Google Chromebooks
 - Windows Desktops/Laptops
 - Microsoft Office
 - Google Apps
 - SMART Boards

Legacy Switching Infrastructure



Legacy Server Infrastructure



TARGET STATE TECHNOLOGY

Building the
Foundation to
The Future



STRATEGIC IT INFRASTRUCTURE

Applications

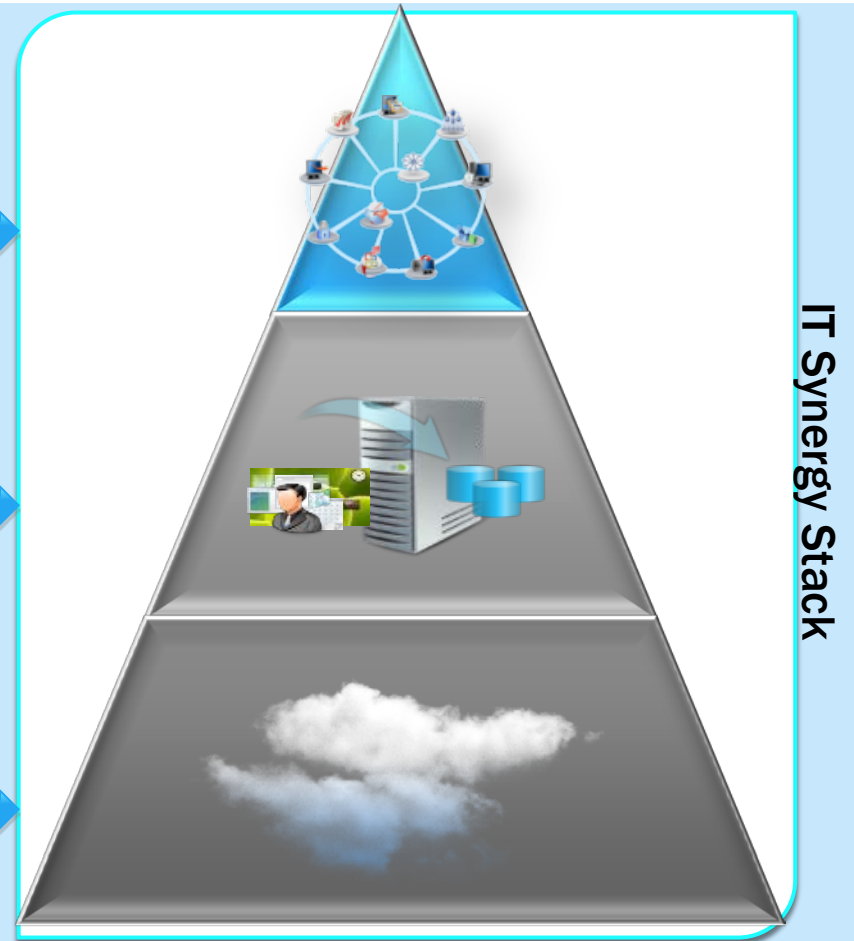
- Video Collaboration
- Cloud Services
- Endpoints
- Data Warehouse
- Classroom Technology
- Single Point Sign-on
- SIS

Data Center

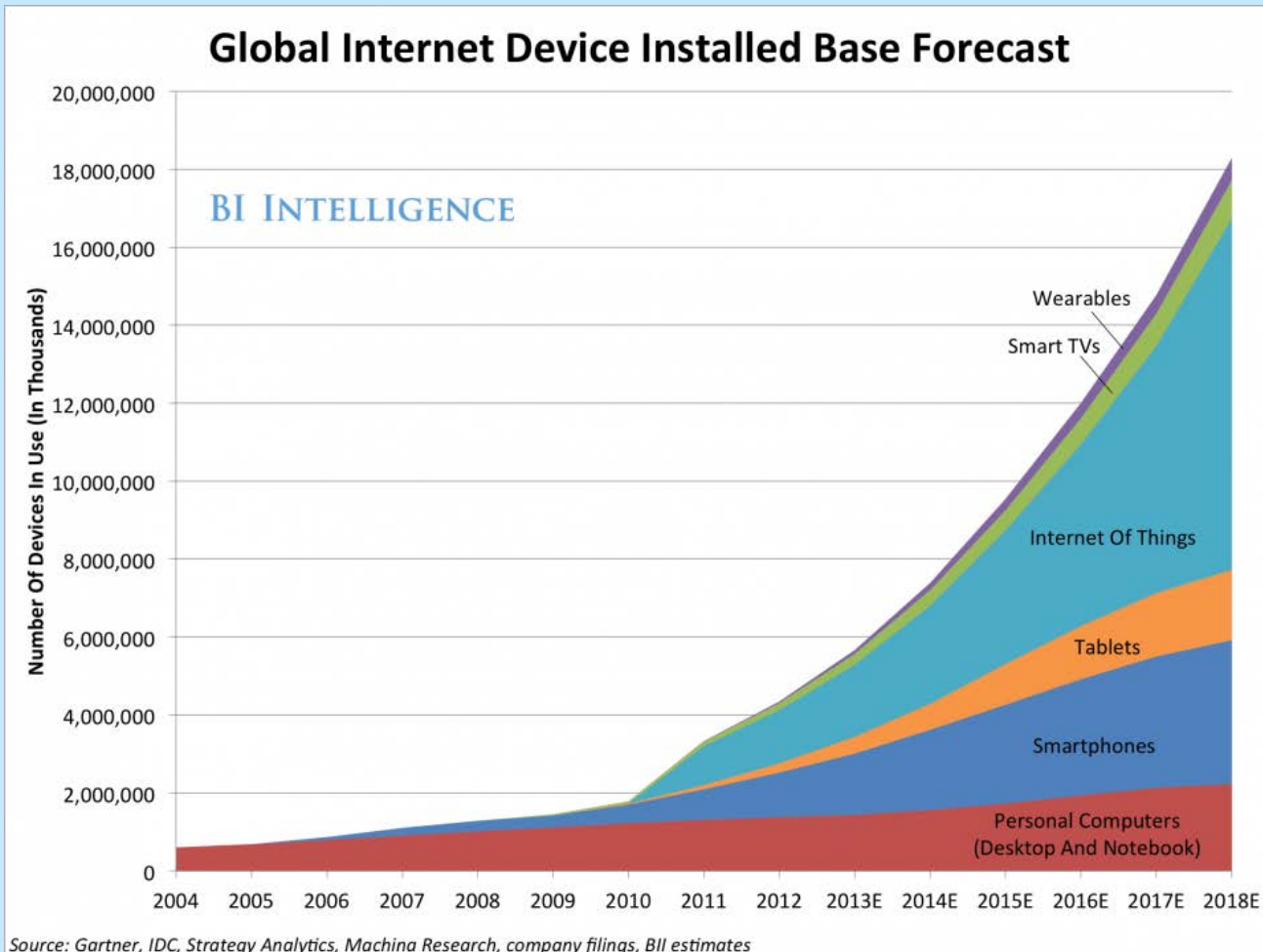
- Servers
- Storage
- Virtualization Platform
- Windows Server 20XX
- System Center
- Security Software
- Learning Continuance
- Federation

Infrastructure

- Environmental Support
- Network
- Mobility
- Safety & Security
- Internet /Control Access
- Systems Management Tools



INCREASING DEMANDS



20TH CENTURY LEARNING...



21ST CENTURY LEARNING ENVIRONMENT



FEEDBACK & QUESTIONS

