

*Putnam Valley Technology
2016-2017*

*“Building a Foundation
for the Future”*

March 3, 2016

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2015-2016 Review

- More Internet access for students
 - More resources • Better resources • Higher quality research
- Google Classroom for Education
 - Collaborate through Docs, Slides, Sites, Drive

2015-2016 Review

- ES Maker Space (Active Learning Space)



- Upcoming Tech Survey
 - Continually evaluate what's working and what's not

2015-2016 Review

- HS STEM Class
 - Quadcopter
 - 3D print of a helmet for safety
 - Remote controlled car
 - Multiple Android apps
 - Java app of Rubik's Cube
 - Tesla coil
 - Researching how to recycle 3D printer filament
 - Wearable glove using Neopixels to signal direction



2015-2016 Review

- District App
 - Continuous feeds from Web, Facebook, Twitter, Instagram
 - Instant push notifications - snow tomorrow?
- Standard teacher landing page
 - Contact info and teacher schedules
- Achieve 3000
 - Non-fiction reading tailored to each student's Lexile reading level
- ES Online Report Cards

2015-2018 Instructional Technology Plan

Provide a safe environment with adequate facilities and equipment that will support instruction and learning.

Staffing (no change)

- 1 Director of Facilities, Technology, and Transportation
 - Funded across three budget lines (Ops/Tech/Trans)
- 1 Network Administrator and CIO
- 3 District Computer Specialists
 - 2.6 FTE
- 1 BOCES Computer Specialist
 - 0.8 FTE
- Support over 2500 laptops, 200 printers, 175 iPads, 110 projectors, 75 smart boards

Overview of Expenses

- Network and Server Support Agreements
 - Internet Connection
 - Content Filter
 - Network Equipment
- State Reporting
- Test Scoring
- Financial System
 - Upgrading to nVision

Overview of Expenses

- Printer / Copier supplies
- Projectors and Bulbs
- Laptop Sleeves
- Spare Cables
- Spare Hard Drives

Overview of Expenses

- 300 Apple MacBook Pros
 - Two Grade Levels
- Financial Details (preliminary)
 - BOCES IPA: \$370,000 @ 3.5% over 5 Years
 - (Installment Purchase Agreement)
 - 2016-2017 Budget Impact of IPA: \$78,000 (LHRIC Estimate)
 - Aid Ratio: 65%
 - Laptop cost after aid: \$426

Using Smart Schools Bond Funding for our Instructional Technology Plan

- Smart Schools Bond Act
 - PV Allocated \$915,998
 - District can send multiple submissions up to the total of allocated funds.
 - Retained Consultant from LHRIC, Carlos Ramirez (Former Coordinator of Technology Policy NYSED)
 - Phase I Investment is estimated at about \$750,000
 - Infrastructure and facilities enhancement.
 - Phase II Investment
 - Additional items to address needs in technology that support instruction.

Investment in Technology (SSBA Funding)

SSBA Budget Category	Allocations
School Connectivity: Upgrade and extend current PVCSD Network Infrastructure	\$550,000
Classroom Learning Technology: Enhance facilities to encourage the use of technology for instruction	\$200,000
Unallocated Funds	\$165,998
Totals:	\$915,998

Active Learning Spaces

- Transform under-utilized spaces into school community gathering areas
 - Showcase learning
 - Encourage the use of mobile learning devices such as laptops, tablets, and phones
 - Facilitate online interaction and distance learning opportunities
 - Ensure our students are College and Career ready following on State Learning Standards and Best Practices.

Upgrade Network Infrastructure

- Wired / Wireless / Fiber / Servers / Storage
 - Upgrade connections to 10GB
 - Deploy Wireless 802.11ac wave 2
 - Increase server and storage capacity and capability
 - Comply with CBT Connectivity Standards
- Everyone Benefits
- “Building a Foundation for the Future”

Thank You 😊

p.s. it's my birthday