

Putnam Valley Technology *2018-2019*

*“Building a Foundation
for the Future”*

February 8, 2018

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2017-2018 Review



G Suite

- Ongoing G-Suite Professional Development
 - Staff Training and Integration
 - Email - Calendar - Drive - Docs - Contacts - Forms
 - Students
 - Email - Calendar - Drive - Docs - Classroom

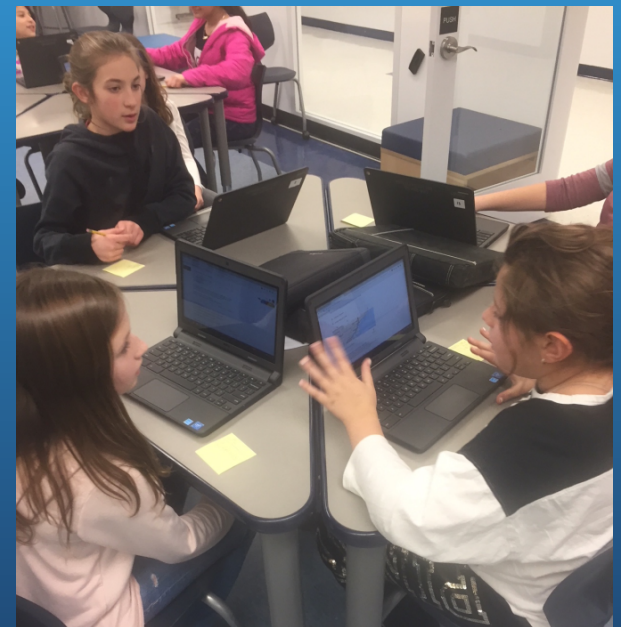
2017-2018 Review

- Google Level 1 Educator Course
 - Nine Faculty/Staff passed certification test
 - Create / Share / Manage
 - Google apps, drive, docs, forms, slides, classroom, Gmail, contacts, calendar, sites, etc...
- Starting a second Level 1 class this spring
- Level 2 course starting in Fall 2018



2017-2018 Review

- Chromebook Pilot
 - 130 Chromebooks - Select 5th Grade Classrooms
 - Feedback
 - Extremely easy to use
 - Few distractions
 - Student work is all in one place
 - Consistent experience across devices
 - Expand Pilot to 6th grade



Students working on Chromebooks in the Active Learning Lab

2017-2018 Review

- High School TV Studio Refresh
 - Four new editing stations
 - New Tricaster with remote unit (live panel)
 - Broadcast hub for the district
 - Live Stream events around campus and to the Internet
 - Two new studio cameras
 - Students are assisting with setup and install



2017-2018 Review

- Mandarin through Distance Learning
 - 24 students enrolled
 - Expand to 2 sections in Fall 2018



2017-2018 Review

- District App
 - Now have 2,135 users, up from 1,521 this time last year
 - Instant push notifications - great for weather events!
- Upgraded District Firewalls
 - Two Cisco “Next Generation” Firepower 2110
 - “The Cisco Firepower NGFW (next-generation firewall) is the industry’s **first fully integrated, threat-focused next-gen firewall with unified management**. It uniquely provides advanced threat protection before, during, and after attacks.”

2017-2018 Review

Website ADA Compliance (full presentation on Feb 22)

- The Department of Justice Enforces Web Accessibility
 - Web Content Accessibility Guidelines (WCAG 2.0 AA)
 - Compatible with website readers
 - Options for higher contrast text
 - Closed Captioning for multimedia
 - All functions available via keyboard
- PV Website Status
 - Started at 30% accessible
 - Now 62% accessible
 - Industry Benchmark for Education is 68%
 - Building a brand new site from the ground up with accessibility as the top priority



2015-2018 Instructional Technology Plan

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

Staffing 18-19

- 1 Network Administrator and CIO
- 1 Media / AV Tech Support Specialist
- .2 Instructional Technology Specialist (BOCES employee)
- 4 District Computer Specialists
 - 3.6 FTE
- 1 BOCES Junior Computer Specialist (required for aid)
 - 1.0 FTE (aidable)
- Support over 2500 laptops, 130 Chromebooks, 200 printers, 230 iPads, 110 projectors, 75 smart boards, 6 Interactive Displays

New BOCES IT Structure

- BOCES = Board of Cooperative Educational Services
 - Cooperative = Sharing
 - OSC says IT staff assigned to a district full time \neq sharing
- Collaborative Support to Managed IT
 - Starting 18-19 as collaborative support with a slow and careful migration to Managed IT
 - Managed IT
 - Leveraging LHRIC Resources
 - Centralized Service Desk / Managed Networking / Managed Systems / Managed Field Support

Overview of Expenses

- Network and Server Support Agreements
 - Internet Connection
 - Content Filter
 - Network Equipment
- State Reporting
- Test Scoring
- Financial System
- Upgrade TV Studio
 - Bring it up to current broadcast standards
 - Television and Web delivery

Overview of Expenses

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

Overview of Expenses

- Apple MacBook Pros
 - One Grade Level (MacBooks)
- Financial Details (preliminary)
 - BOCES IPA: \$200,000 @ 3.5% over 5 Years
 - (Installment Purchase Agreement)
 - 2018-2019 Budget Impact of IPA: \$42,000 (LHRIC Estimate)
 - Aid Ratio: 65%
 - Laptop cost after aid: \$426
 - Chromebook cost after aid: \$101

Smart Schools Bond Update

- Wired / Wireless / Fiber / Servers / Storage
 - Upgrade connections to 10GB
 - Deploy Wireless 802.11ac wave 2
 - Comply with CBT Connectivity Standards
- Cisco was the only game in town
 - NYSED will allow changing hardware vendors
 - Evaluating the best and most cost effective options
 - Must be as good, or better, for less money
 - On track for Summer 2018 Installation

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



Thank You