



Weymouth Public Schools Technology Improvement Plan Update SY 18-19

Overview

- Infrastructure
- Devices
- Staffing
- Integration



Five-Year Technology Plan History

A 2016 Independent assessment concluded that WPS needed significant investment in the following technology areas to meet requirements for state testing and achieve educational goals.

- **Infrastructure**

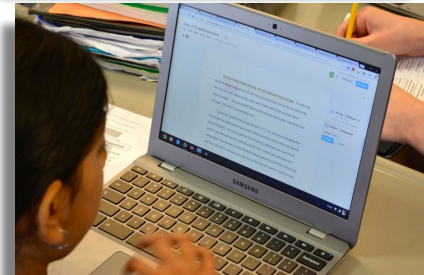
- Increase Internet Bandwidth
- Upgrade Network Backbone (Fiber, switches)
- Data center (virtual servers/storage environment)
- Backup and Disaster Recovery
- Upgrade Wireless

- **Devices**

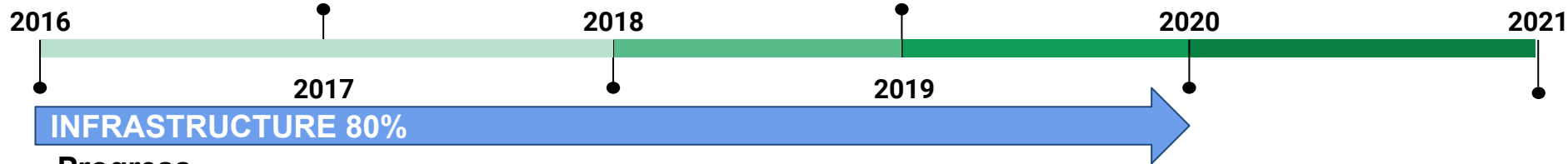
- Update Desktops, Laptops, Chromebooks, and iPads
- Update projector fleet

- **Staffing and organizational Structure**

- Increase technical support and integration staff
- Create multi-tiered organizational structure
- Centralize Technology department decision making



Network Infrastructure



Progress

- Smart deals yielded exceptional discounts on purchases
- Wireless coverage 95%
- Internet Bandwidth increased from 1GB to 3GB
- Network backbone upgrade (10GB Fiber and switches)
- Data center Upgrade (virtual server and storage environment)
- Cloud Initiatives - Migration of Email services to Google will reduce long term infrastructure costs
- Backup system implemented
- Network backbone upgrades (Routers, Switches, and filtering appliances)

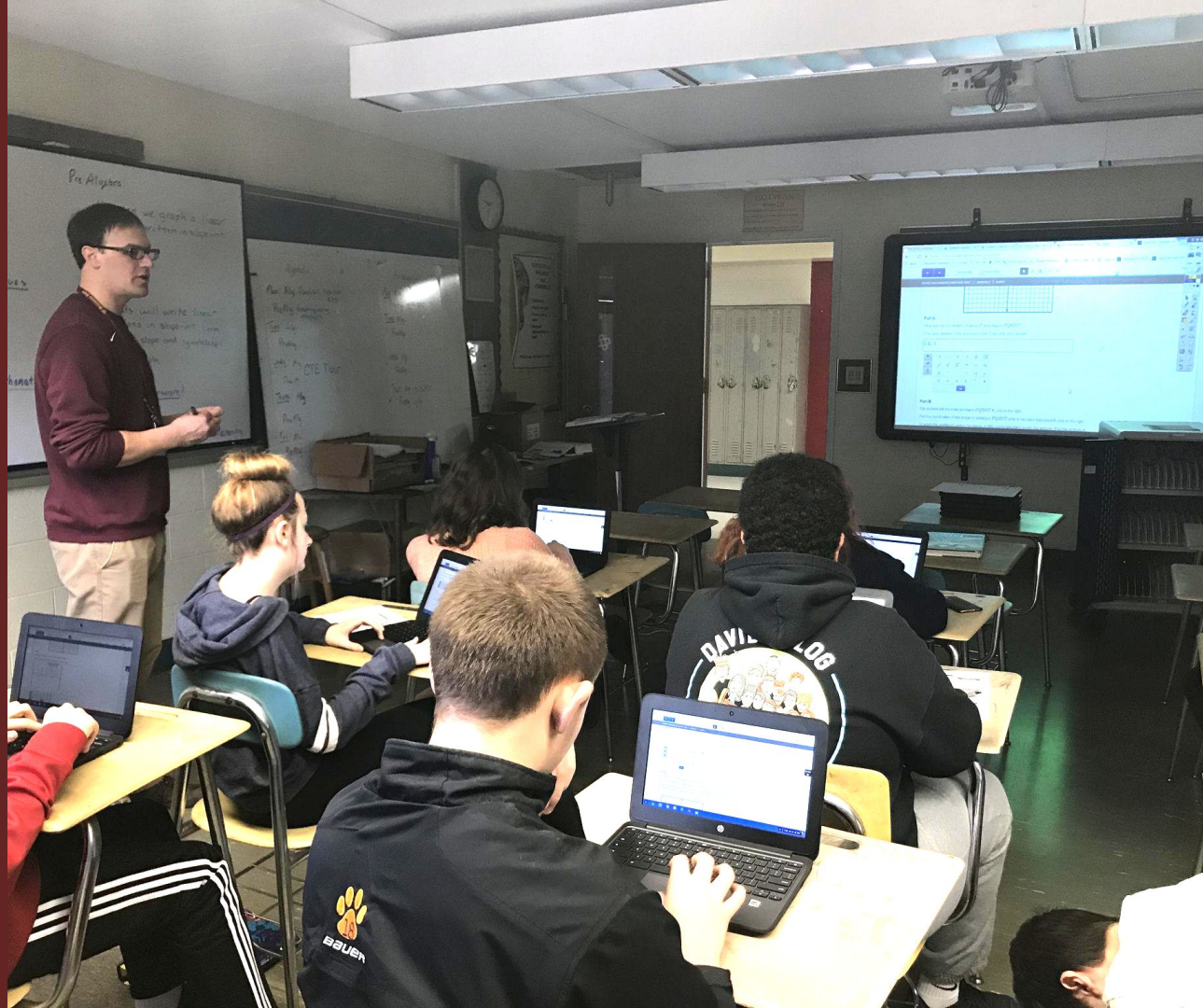
Opportunities

- Internet bandwidth increases every year to support growing device fleet (6GB by 2020)
- Disaster recovery systems implementation
- Security camera network

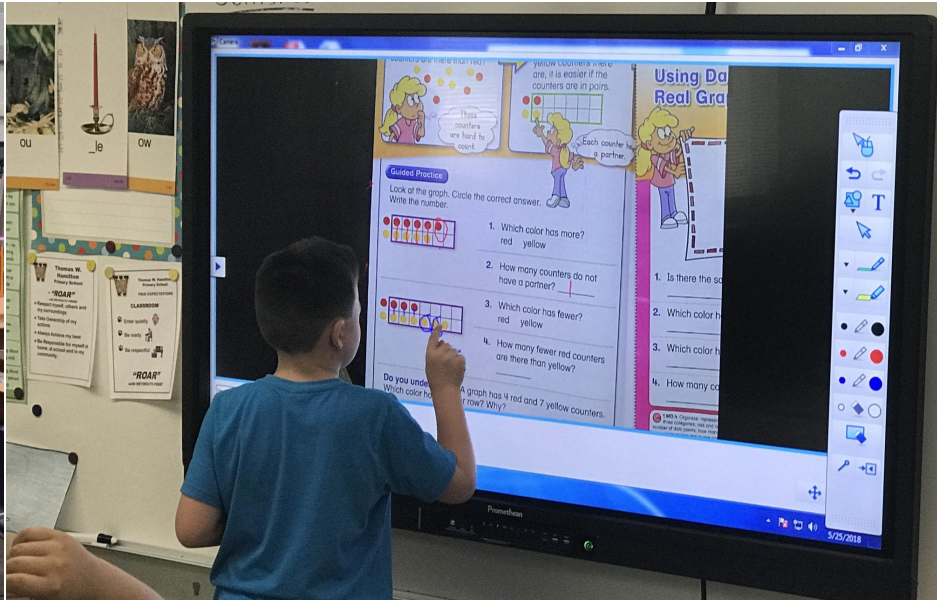


Wireless Network Complete

- Reliable Wifi in every classroom across the district



Device Initiatives



Chromebook 1:1 and LCD Display



Seamouth Proud!
This is how we R.O.A.R.!



Long term Chromebook 1:1 initiative

- 1:1 for Grades 7 - 12 by 2020
- \$277,842/year to support 3 concurrent leases from 2020 forward

3 YR Device leasing	2018-2019 (1:1 Grades 7 and 10)	2019-2020 (1:1 Grades 7,8,10,11)	2020-2021 (1:1 Grades 7-12)
Grade 7 and 10	\$92,614	\$92,614	\$92,614
Grade 7 and 10		\$92,614	\$92,614
Grade 7 and 10			\$92,614
Total	\$92,614	\$185, 228	\$277,842



Proposed Device Leasing Plan

Lease Groups (Year of Graduation)	Devices	2018-2019 (1:1 Grades 7 and 10)	2019-2020 (1:1 Grades 7,8,10,11)	2020-2021 (1:1 Grades PreK-12)
Grade 7 (2024) and 10 (2021)	1000 Chromebooks	\$92,614	\$92,614	\$92,614
Grade 7 (2025) and 10 (2022)	1000 Chromebooks		\$92,614	\$92,614
Grade 7 (2026) and 10 (2023)	1000 Chromebooks			\$92,614
3-12 Teacher 1:1	500 Chromebooks	\$46,458	\$46,458	\$46,458
PK-2 Teacher 1:1	100 iPads	\$12,384	\$12,384	\$12,384
Refresh Grade 3-6 (1900 total)	400 Chromebooks	\$37,221	\$37,221	\$37,221
	750 Chromebooks		\$69,536	\$69,536
	750 Chromebooks			\$69,536
iPad refresh PreK to 2 (1:2) (750 total)	450 iPads	\$55,731	\$55,731	\$55,731
	150 iPads		\$18,577	\$18,577
	150 iPads			\$18,577
Interactive Displays	120 panels		\$68,165	\$68,165
	120 panels			\$68,165
Total	6,490	\$244,408	\$493,300	\$742,193



Why we lease

Leasing devices would enable WPS to achieve educational goals faster

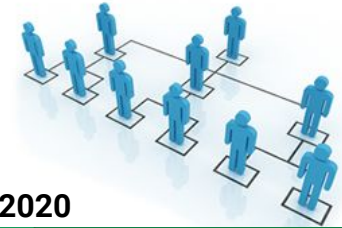
- 3 Year Lease provides device refresh every 3 years for minimal maintenance
- Chromebooks have a 3 year useful life per industry standard



Acquisition	Number of devices	2018-2019
Leasing	1900 Chromebooks and 550 iPads	\$244,000
Purchasing	858 Chromebooks and 0 iPads	\$244,000



Technology Department Staffing



Progress

- Growth in educational technical team improved service levels significantly
- 2 Technical Support Specialists hired increasing the team from 9 team members to 11

Opportunities

- Tech support, integration, and web support growth needed to support educational goals

Hire 3 Technology Integration Specialists

- Mentor/coach/training goals across the district especially in primaries

Hire 2 Technical Support Specialists

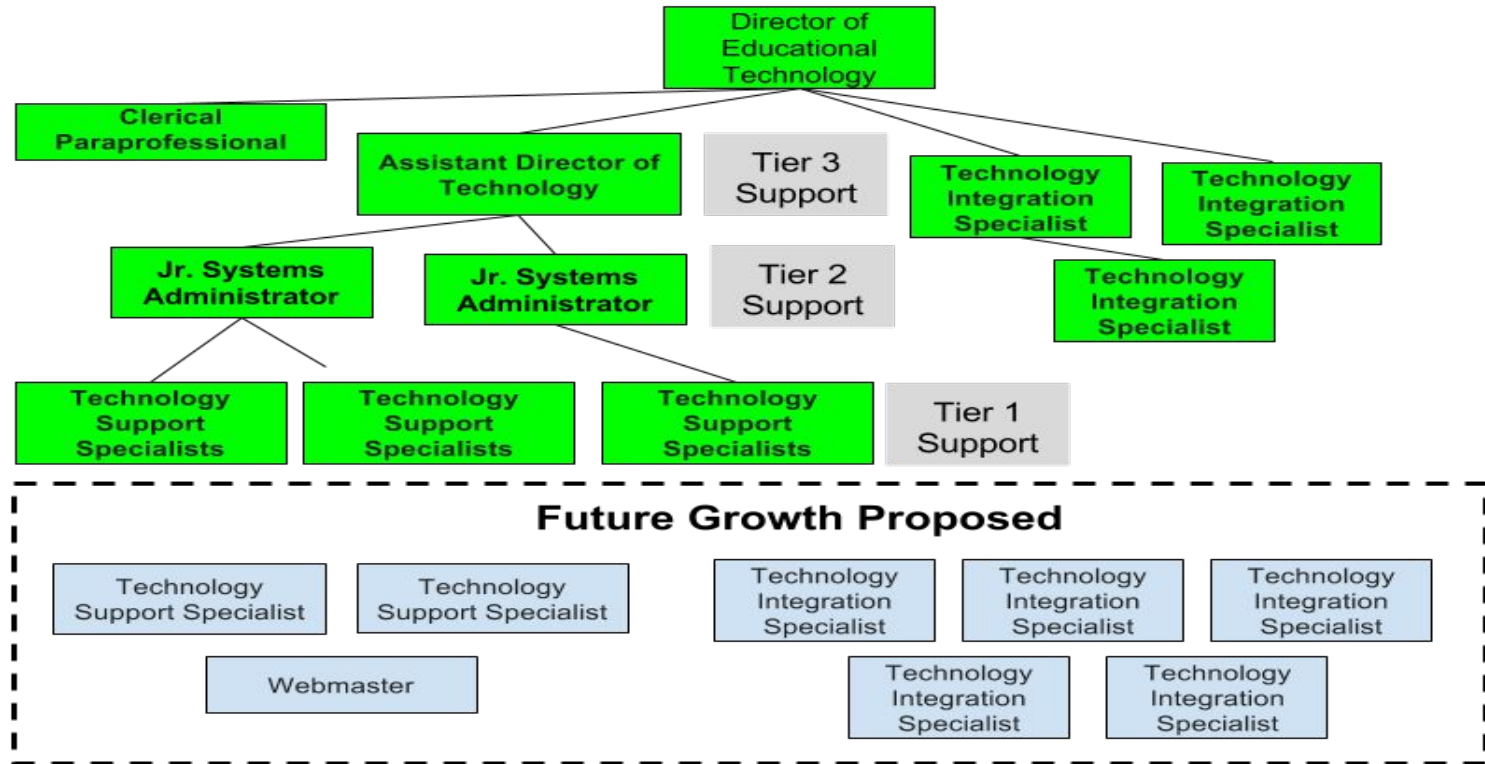
- Technical break/fix support will improve service levels as 21st century tools and usage increase
- Free up integration staff to more effectively mentor and train staff

Hire 1 Webmaster

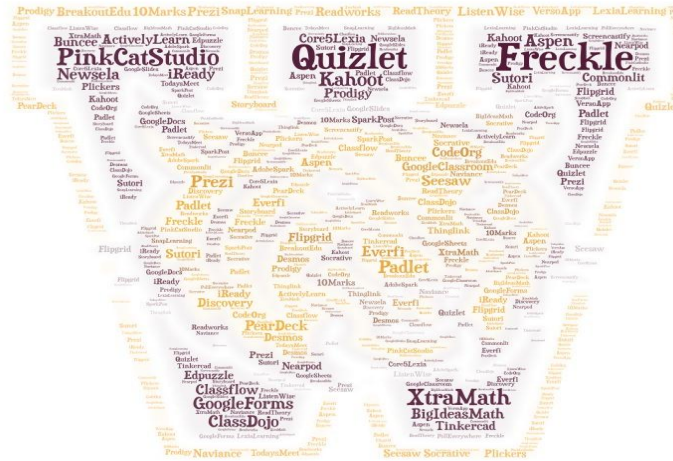
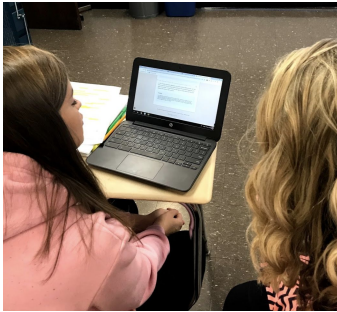
- Maintain and upgrade district website



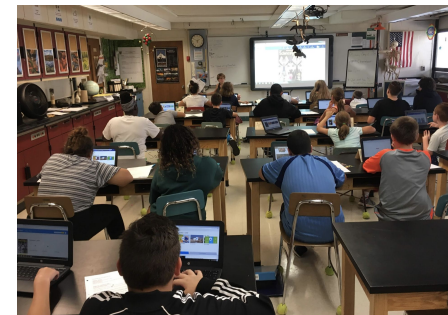
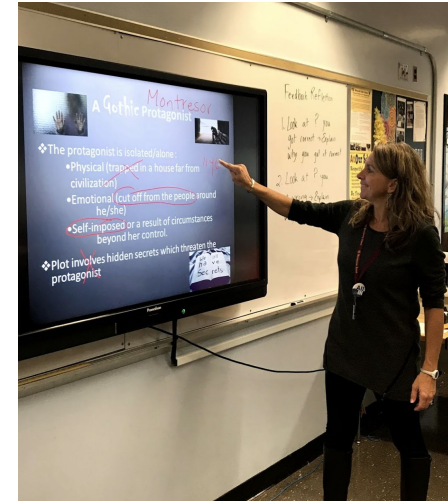
Organizational Structure



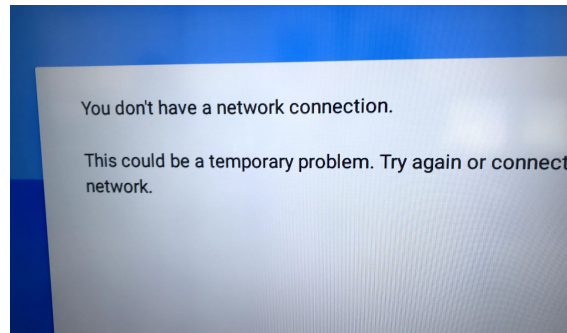
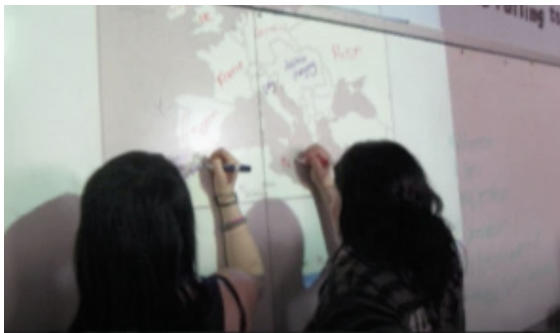
Technology Integration



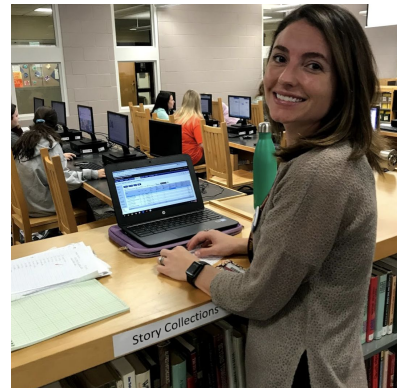
- **Synthesize all the areas of teaching and learning with technology: *curriculum, software, pedagogy, teacher workflow, feedback, assessment.***
- **3 specialists provide trainings, PD support, tutorials, lesson planning, classroom support, assessment/MCAS support, PLC with integration specialists from other districts in our region**



Two years ago



This year



Questions?

