

Technology Recommendations: 2016 - 2022

Next Generation Technology Committee
ADM Community School District

May, 2016

Background and Purpose

- Ad hoc committee created by the District Technology Committee
- 13 members, including teachers, administrators, parents, and a student
- Focus: development of recommendations for district technology during the final six years of the current voter-approved PPEL

PPEL Technology Refresher

- Passed in 2012
- \$250,000/yr earmarked for technology
- Reevaluation of technology plan after first five years

Identified Needs

- Additional devices
- Technology integration support
- Home access
- Appropriate software
- Classroom technology enhancements

Recommendations: Student Devices

- 1:1 in grades 3-12 (at least)
 - Student-assigned model in grades 6-12
 - Classroom-assigned model in grades 3-5
- Increase in student-accessible devices at Adel Elementary
 - Additional research is being conducted to determine exact deployment model

Recommendations: Technology Integration

- Critical for program success
- One or more technology integration specialists
 - This can take several forms:
 - 1.0 FTE district technology integration specialist OR
 - 0.5 FTE secondary and elementary specialists OR
 - 0.5 FTE specialists per building OR
 - Combinations thereof

Recommendations: Device Selection

- Chromebooks in grades 3-12
 - Citrix application/desktop virtualization software available
 - Cost as a primary driver (\$230/device)
 - 4-year lifecycle
- iPad Mini devices at Adel Elementary
 - Supplemented with laptops on a per-classroom basis
 - 5-year lifecycle

Recommendations: Cybersafety

- Filtering through the district's firewall
 - Regardless of whether the device is on or off campus
- Ongoing focus on digital citizenship within the classroom
- Orientation session for students and parents
 - Home network security
 - Device care guidelines

Recommendations: Classroom Technology

- Maintain current suite (projector, interactive whiteboard, document camera)
 - Update existing equipment to current technology standards
 - Potential to add voice lift technology to standard suite
- Additional technologies
 - Recording systems, multiple display implementations, makerspaces

Recommendations: Infrastructure

	Admin Bldg.	ADM HS	ADM MS	DeSoto	AE
Internet					
Wired Network					
Wireless Network					
Firewall					
Server Infrastructure		N/A	N/A	N/A	N/A

Recommendation Costs (6-year)

Budgeted: \$1.35 million

Deployment Model	Program Cost
Status Quo	\$1.1 million
Recommended: 1:1 Chromebooks (3-12), 2:1 iPads (PK-2)	\$1.2 million
2:1 MacBooks (6-12), 2:1 Chromebooks (3-5), 2:1 iPads (PK-2)	\$2.3 million
1:1 MacBooks (6-12), 1:1 Chromebooks (3-5), 1:1 iPads (PK-2)	\$2.4 million
1:1 MacBooks (3-12), 2:1 iPads (PK-2)	\$2.9 million

Note: Program costs above are comprehensive, and include PPEL-eligible costs for student devices, staff devices, office computers, licensing, network and internet connectivity, and infrastructure.

Project Timeline

(subject to change)

Project	16-17	17-18	18-19	19-20	20-21	21-22
Server Upgrades; Citrix Implementation	█					
Wireless Upgrades @ AE/DI		█				
Internet Service Evaluation/Upgrade		█	█	█	█	█
Technology Integrationist Position		█	█	█	█	█
1:1 Chromebooks		█	█	█	█	█
PK-2 iPad Deployment		█	█	█	█	█

Summary

- 1:1 with Chromebooks in grades 3-12, increased devices in PK-2
- Technology integration support
- PPEL-eligible program cost: \$1.2 million
 - 9% of PPEL technology funds unallocated

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