

Technology Update 2021

MIDWAY

INDEPENDENT SCHOOL DISTRICT



OVERVIEW

Items to present:

- Update on 1:1 device initiative
- New mobile device management system
- Technology usage statistics
- Outdoor wireless project
- E-Rate overview
- Technology work order break-down
- Update on data and email security



1:1 Going Strong

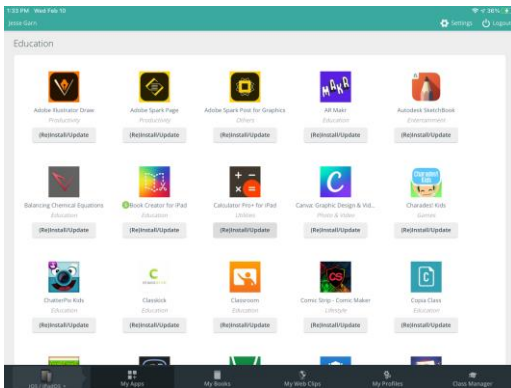


Positioned for virtual instruction

- Avoided global tech shortages caused by pandemic
- Summer refresh - 9,330 staff and student devices
- Devices ready to go on Aug 24th - many districts are still waiting on state-subsidized devices
- Teachers, staff and students benefited from familiarity of platform



We've got an App for That



Migrated to new MDM with device refresh

- Opportunity to review app catalog
- Removed unused/obsolete apps from past 7 years
- New Mosyle management is education-focused
- Teacher management of iPads in their class
- Currently managing:
 - 365 unique apps
 - Across 9,332 iPads
 - Total of 260K managed apps



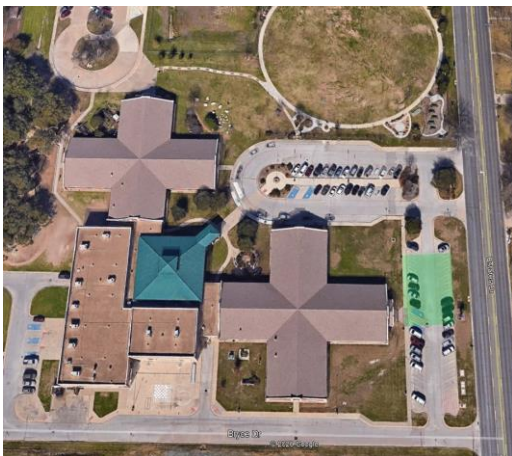
You're muted

Overwhelming adoption of videoconferencing

- Standardized on Google Meet
 - Security (no Zoom bombings)
 - Existing user integration
 - A single platform for streamlined support
- Allowed for synchronous remote instruction
- Increased efficiency of staff meetings
- 9,069 video meetings since Jan 4th, 2021



Outdoor Wifi at Campus



Outdoor-rated Wifi Radios added

- Each campus has one external access point
- Ideal parking location shown in green
- Campus maps with heatmaps on MISD website
- All MISD iPads are configured to automatically connect



Leveraging Federal Funding



E-RATE Category 1

- Internet Access
- 50% discount
- 3rd year of Grande contract - no bid necessary

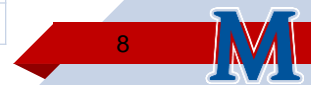
E-RATE Category 2

- Internal connections - routers, switches, wireless infrastructure
- 50% (if approved)
- Items requested - networking equipment needed for new construction and wireless infrastructure
- Maximize bond dollars
- Bid responses due Feb 19th



RFP EVALUATION CRITERIA

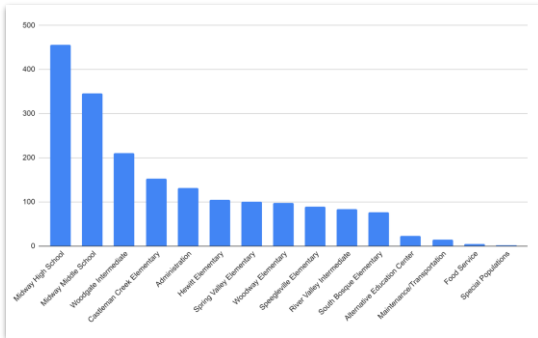
| ITEM | DESCRIPTION | POSSIBLE POINTS |
|------|--|-----------------|
| 1 | Cost of product/service | 30 |
| 2 | Proposer: Ability to execute and perform, length of time in business, number of active customers, and company structure. | 20 |
| 3 | Support: Number of overall full time, installers/technicians, remote and on-site response time, dispatch distance, and maintenance capabilities. | 15 |
| 4 | Understanding of requirements: Scope of work, bill of materials | 15 |
| 5 | References (may include past experience with Midway ISD) | 10 |
| 6 | Quality of Proposal | 10 |
| | TOTAL POINTS | 100 |





Technology Work Orders

(by Campus)



Total of 1,902 completed work orders

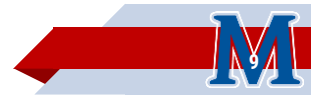
- Report range Aug 20 - Jan 21

Distribution

- High School and Middle School
- Elementaries very evenly distributed
- Woodgate twice that of River Valley

Top Categories

- Computer Hardware - 723
- Printer - 461
- Apple devices - 441
- Phone - 142



Data Privacy Agreement v2

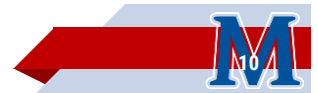


What is a Data Privacy Agreement?

- Set expectations and protections
- Legal agreement between ISD and vendor
- Defines shared data elements
- No advertising, no sale of data
- Indemnity clause
- Now part of our standard software onboarding process

Adoption Status

- 122 districts in Texas now leverage the TxDPA
- Midway ISD has a signed TxDPA with 23 software vendors



Enhanced Email Security

| Overview > Incoming Mail Summary | | |
|---|--------------|-------------|
| Message Category | % | Messages |
| Stopped by Reputation Filtering | 67.4% | 5.8M |
| Stopped as Invalid Recipients | 0.2% | 18.7k |
| Spam Detected | 1.1% | 96.5k |
| Virus Detected | 0.0% | 7 |
| Detected by Advanced Malware Protection | 0.0% | 21 |
| Messages with Malicious URLs | 0.0% | 786 |
| Stopped by Content Filter | 1.4% | 120.1k |
| Stopped by DMARC | 1.4% | 120.5k |
| S/MIME Verification/Decryption Failed | 0.0% | 0 |
| Total Threat Messages: | 70.2% | 6.0M |
| Marketing Messages | 7.5% | 641.6k |
| Social Networking Messages | 1.0% | 89.2k |
| Bulk Messages | 5.8% | 494.4k |
| Total Graymails: | 14.3% | 1.2M |
| S/MIME Verification/Decryption Successful | 0.0% | 0 |
| Clean Messages | 15.6% | 1.3M |
| Total Attempted Messages: | | 8.6M |

Deployed new email security appliance

- Improved classification and malware definitions
- Identifies marketing and bulk “gray” mail to simplify email management for the user

Email statistics Sept 20 - Jan 21

- 8.6M total email messages
- 70% (6M) blocked as SPAM or virus
- 14% (1.2M) identified as “gray” mail
- 15% (1.3M) allowed through as “clean”



Security Audit

Most recent audit, 1/2/2021

- Scan for vulnerabilities, such as:
 - Open ports
 - Unpatched software
 - Insecure account credentials
- No critical or high risk vulnerabilities found
- All external assessments for past 12 months “reasonably secure”



Internal audit, 10/22/20

- Conducted by Sentinel Cyber Intelligence
- Given access to an internal network drop
- Run “white hat” hacker tools
- Unable to gain elevated access to any of our systems





THANKS!

Any questions?

