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## Outline

- LISD Info
- Technology that was in-place pre-pandemic
- Security focus during pandemic
- Secure communication during pandemic
- Processes that helped transition
- Trends
- Key Takeaways
- Resources
- Q&A



**LISD** REAL INNOVATION  
LIMITLESS OPPORTUNITY  
LEWISVILLE INDEPENDENT SCHOOL DISTRICT

50,000+ Students 6,500+ Employees	127 sq. miles 68 schools VLA 13 Municipalities	1:X Program 4-12th Since 2012	1:1 iPads PK-3 Classroom Sets 91K Devices
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## Technology that was in-place pre-pandemic

- Staff Macbooks
  - Cisco Umbrella client
  - Cisco Advanced Malware Protection
- Student iPads
  - Content filtering with VPN app
- Mobile device management system

## Security focus during pandemic

- Windows devices
  - Umbrella client
- Chromebooks
  - Content filtering
- Additional iPads
  - Configuration changes in MDM to convert to remote devices
- VPN access for over 1,000 staff members
- Secure communication platform

## Secure communication during pandemic

- Allow easy collaboration, including calling
- Control
- Reporting
- Easily integrated
- Cisco WebEx (formerly Teams)
  - Staff kept same extension
  - Prevented teachers from giving out their cell number
  - Time of day call control



## Usage

March 16, 2020- May 27th 2020


### Telephony (calling)

- 530,917 calls and 29,899,219 Minutes (combined Teams to Teams and Teams to external phone number)

### Collaboration

- 1,032,957 active spaces and 12,368,750 messages sent; 555,627 files shared

### Meetings

- 188,733 Meetings, 121,011 video meetings, 4,413,034 meeting minutes, 4,805 unique hosts, 1,497,675 participants
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## Usage

- **WebEx Adoption**

- Collaboration and Meeting Application
- 1st Quarter of School (2020-2021)
  - Meetings
    - 319,805 Live Meetings, 248,207 Video Meetings, 11,816,749 Meeting Minutes
  - Calls
    - 8/19 thru 10/18= 984,053

## Processes that helped transition

- Existing deployment plans with playbooks
- Insurance plan for lost/stolen/broken devices
- Culture for 1:1
- Mobile device management system

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## Trends during pandemic

- Major increase in phishing emails

Message Category	%	Messages
Stopped by Reputation Filtering	53.5%	16.2M
Stopped as Invalid Recipients	0.2%	65.8k
Spam Detected	1.1%	336.6k
Additional Spam Detected by Intelligent Multi-Scan	0.2%	67.0k
Virus Detected	0.0%	55
Detected by Advanced Malware Protection	0.0%	114
Messages with Malicious URLs	0.0%	7,148
Stopped by Content Filter	0.2%	59.9k
Stopped by DMARC	0.0%	47
S/MIME Verification/Decryption Failed	0.0%	0
<b>Total Threat Messages:</b>	<b>55.1%</b>	<b>16.7M</b>

Marketing Messages	5.0%	1.5M
Social Networking Messages	1.0%	299.9k
Bulk Messages	5.3%	1.6M
<b>Total Graymails:</b>	<b>11.3%</b>	<b>3.4M</b>
S/MIME Verification/Decryption Successful	0.0%	0
Clean Messages	33.6%	10.2M
<b>Total Attempted Messages:</b>	<b>30.3M</b>	

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## Trends during pandemic

- Major increase in fraudulent unemployment claims/scams
- Blocked some of those through keyword/address blocking in Cisco Email Security

## Trends during pandemic

- Large amounts of malicious activity attempts

Total Threat Type Activity

109.5K Total - %



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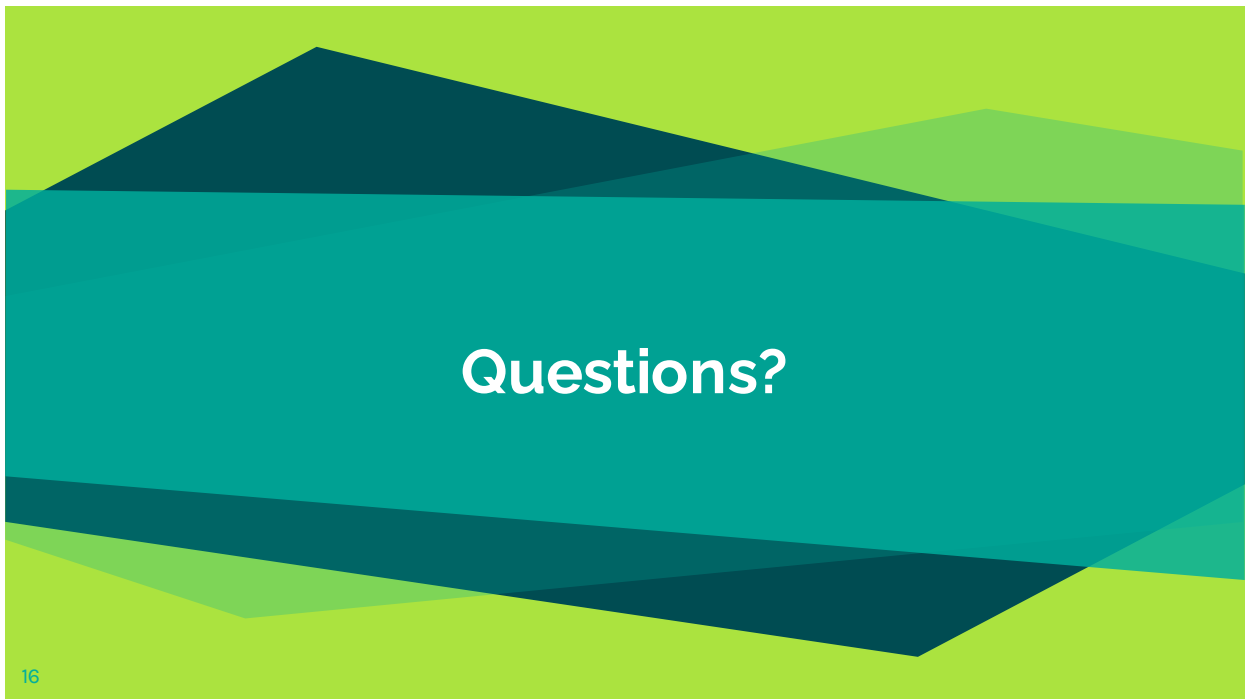
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## Key Takeaways

- Umbrella
- Email security
- Device deployment plan with playbooks
- 1:1 insurance program
- Providing virtual options for ARD/504/parent meetings

## Resources

- LISD Technology Homepage - <https://www.lisd.net/Page/14516>
- LISD Technology Resources - <https://www.lisd.net/Page/13096>
- LISD 1:X Handbook - [https://www.lisd.net/cms/lib/TX01918037/Centricity/Domain/159/1X\\_HandbkEng20-21.pdf](https://www.lisd.net/cms/lib/TX01918037/Centricity/Domain/159/1X_HandbkEng20-21.pdf)



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