

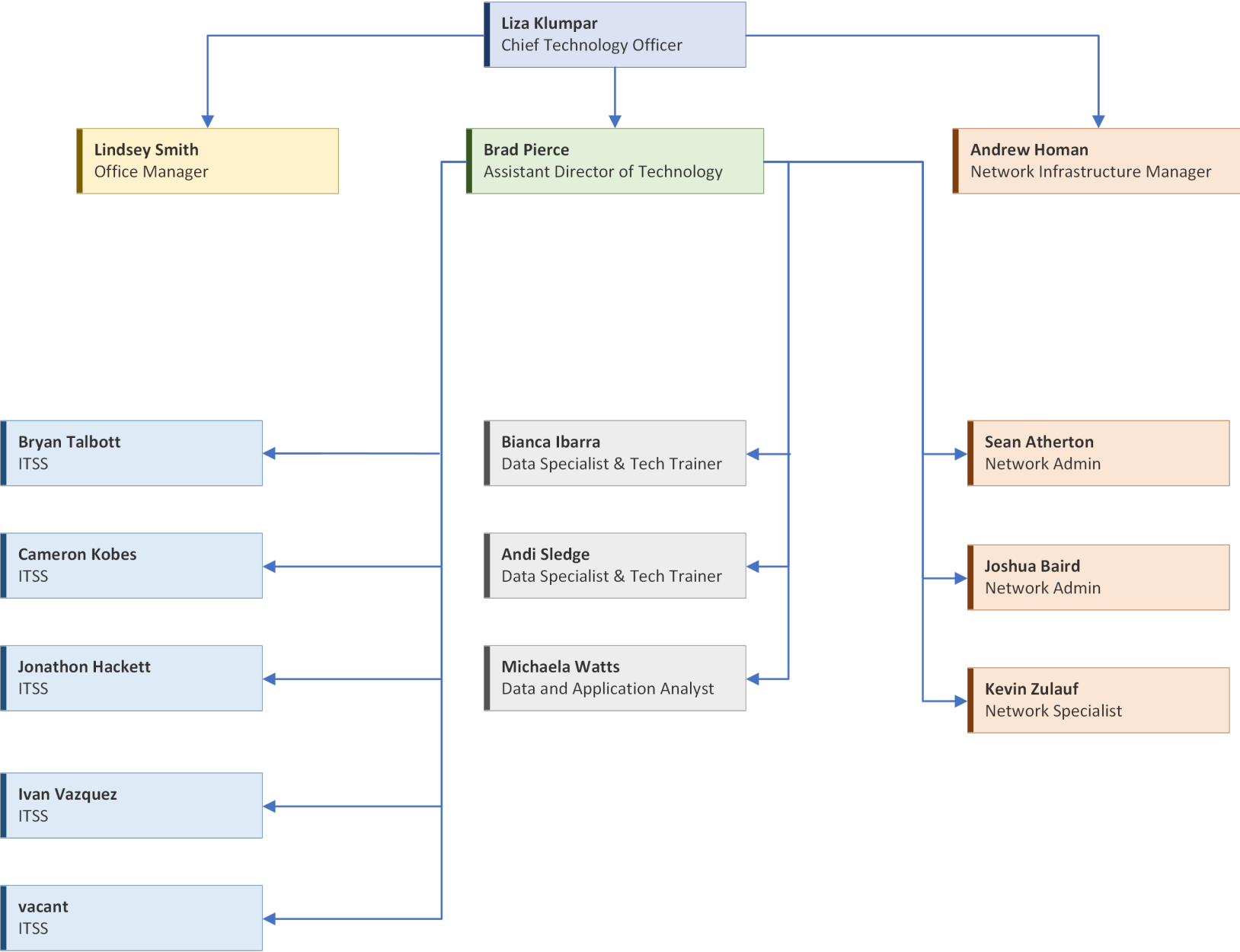
Digital and Cyber Security

DECEMBER 6, 2022

INFORMATION
TECHNOLOGY

Information Technology

Organization Chart



What has the past 6 months looked like?

- Rubrik
- AppLocker
- Microsoft Basic Authentication
- Password Enforcement
- SafeSchools Trainings
 - Cyber Security Overview
 - Email and Messaging Safety
 - Password Security Basics

E-mail Security - Mimecast

- Mimecast is an advanced e-mail security platform. It protects us from:
 - Ransomware
 - Malicious hyperlinks
 - Malicious attachments
 - Domain spoofing
 - Impersonation / Social Engineering attacks
- Mimecast reduces our overhead and time to respond to email-based incidents:
 - Microsoft Exchange built in tools can take hours to respond to incidents
 - Mimecast simplifies and expedites response times

mimecast[®]

AppLocker / Device Management

- AppLocker
 - AppLocker is an application security feature within Microsoft Intune. It prevents the execution and installation of malicious/unapproved software.
- Device Management
 - Intune
 - Windows Defender
 - BitLocker Encryption
 - Automated Security Policies



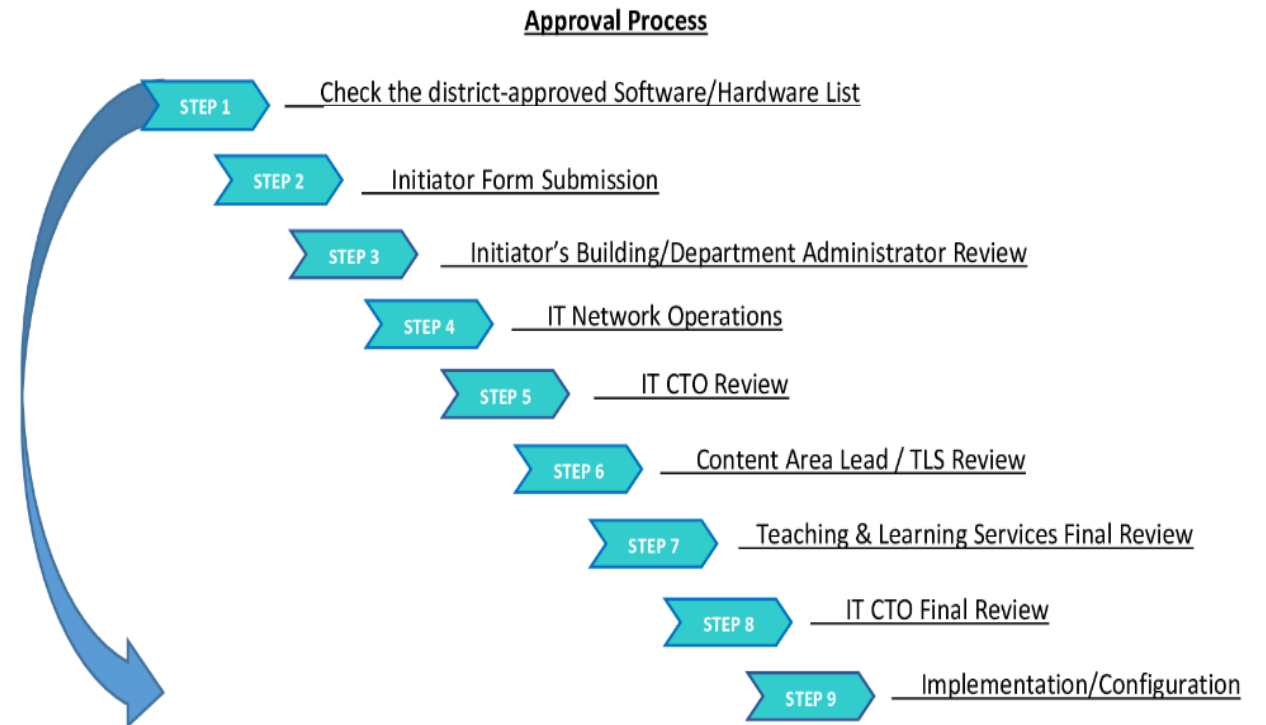
Web Filtering - Securly

- The CIPA guidelines require schools to block students' access to “inappropriate matter on the internet.” Securly web filtering solution helps to ensure that all such content is blocked.
- Student and Staff traffic is filtered through Securly on different security layers, both on and off campus
- Filtering based on:
 - Keyword Search
 - Category
 - URL



Technology Hardware / Software Approval Process

- Used to vet Vendors and Products the district are considering onboarding
- Student Data Privacy
 - Vendor Confidentiality Agreement (VCA)
 - Data Sharing Agreement (DSA)
- System Integration checks
 - Keeping IT involved



Firewall – Palo Alto

- Network Threat Detection and Prevention
 - Application Level
 - User Level
 - Group Level
 - Country Level
- Real-time Threat Protection
 - Virus and Malware definitions updated hourly
 - URL filtering for outbound traffic
- Future Project
 - Procuring and installing a second firewall for High Availability, an industry best-practice

Disaster Recover Solution - Rubrik

- Data Backup and Recovery
 - Scheduled backups of FPSD servers to onsite device
 - Backups replicated to Rubrik cloud for offsite protection
 - Swift, granular file and/or application restoration from onsite device or offsite cloud (if necessary)
- Ransomware Protection and Recovery
 - Immutable data storage
 - Zero-trust access to data
 - Sensitive Data Discovery
 - Ransomware Analysis and Threat Hunting



What's Next?

- Enhanced Wireless Security
- Securly Parent Portal
- Securly Classroom Management
- Threat and Risk Management Platform
- High Availability – Palo Alto Firewall
- Phishing Campaign / Training
- IT Staff Training / Professional Development
- FEMA State / Local Cybersecurity Grant Program
- MFA for IT and Finance

Any Questions?