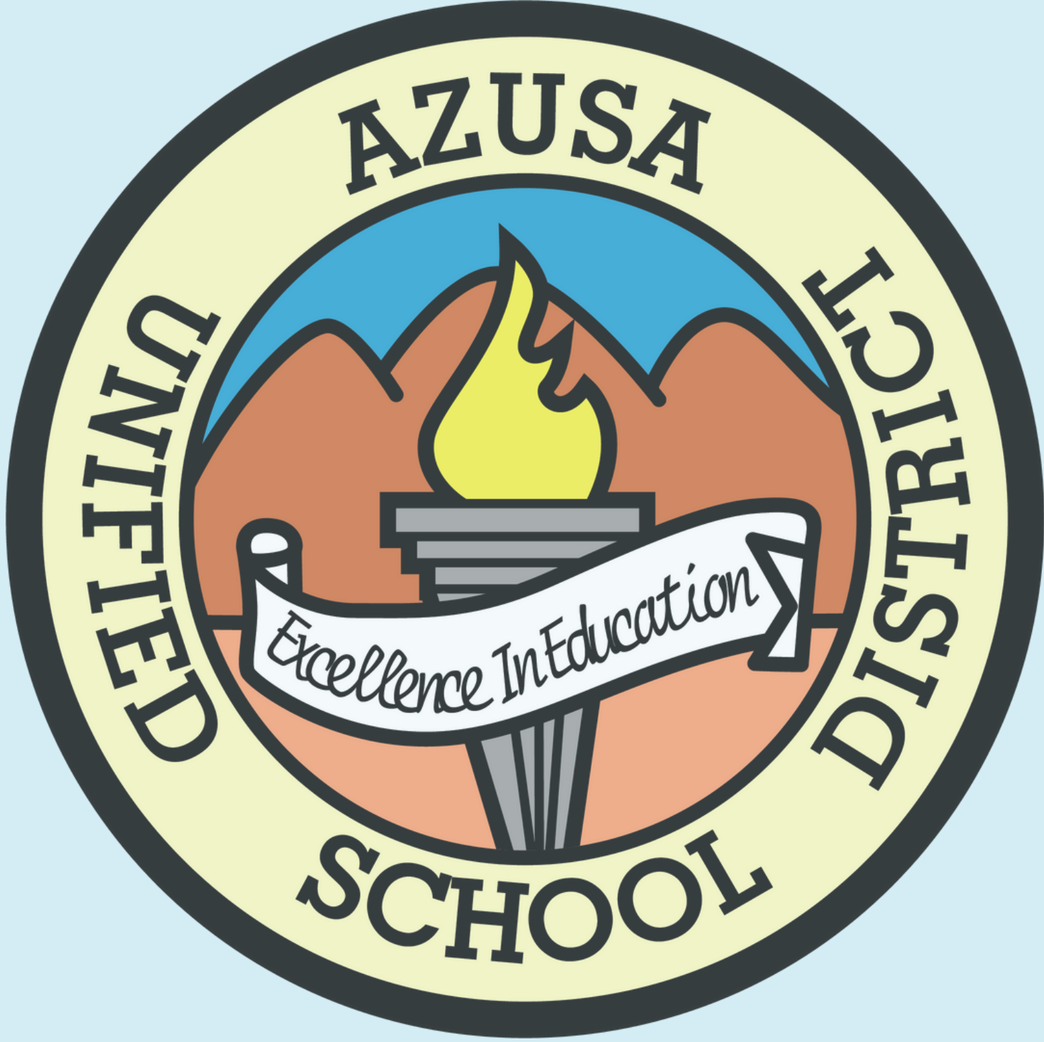
Azusa Unified School District




# Technology Update

Management Information Systems

# The State of Technology

## Where we are today

Azusa Unified has a mix of modernized and non-modernized campuses that will require upgrades and improvements to reach the goal of a 21st Century Classroom.

# Timeline

The technology implementation consists of 6 phases that can be implemented over time to reach the desired outcome

## Phase 1 - Infrastructure

Wide Area Network (WAN), Local Area Network (LAN), Wireless, Cabling

## Phase 2 - Systems

Student Information System (SIS), Human Resources Systems (HRS), Provisioning, Digital Curriculum, Mobile Device Management (MDM), Cloud Services

## Phase 3 - Cyber Security

Uniform Resource Locator (URL) Filtering, Content Management, Malware Protection, Network Threat Protection, Disaster Recovery

## Phase 4 - Devices/Hardware

Computers, Laptops, Tablets, Phones, Specialized Programs, Sustainability

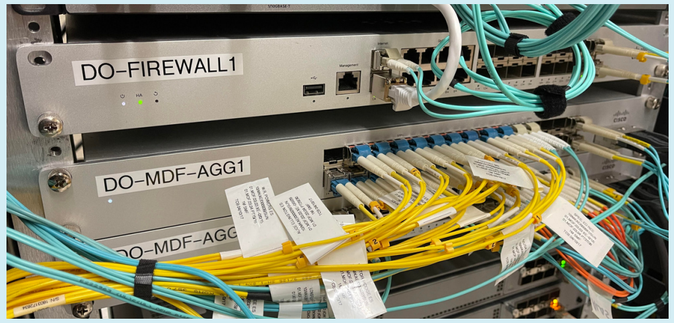
## Phase 5 - Support/Communication

Incident Reporting, Remote Assistance, Mass Notification, Knowledge Base for Users, Training

## Phase 6 - Classrooms

Audio/Video (A/V) Equipment, Classroom Management, Assessment Tools, Collaboration Tools

# Infrastructure




## WAN/LAN

Wide Area Networks and Local Area Networks need to be upgraded equipment to support faster connectivity.


## Cabling

Old cabling is limiting the speed available on both modernized and non-modernized sites.

## Wireless

Wireless access can be expanded to support classrooms and common areas for instruction and after school events.

# Systems

MDM

Cloud Services

SIS/HRS


Provisioning

Digital Curriculum

# Cyber Security

### Disaster Recovery

Cloud Services or off-site equipment is needed to protect sensitive data and assure resiliency for critical services

### URL Filtering

Policy Based Access and SSL Decryption allow increased security and reporting

### Content Management

An added level of filtering to allow appropriate content to all district devices on site or at home

### Malware Protection

Reduces the risk of viruses and exploits that can corrupt our internal systems and put the district at risk of ransomware

### Network Threat Protection

Works along with our other solutions to track changes in the network and stop access at the source

# Devices / Hardware

## Computers/Laptops/Tablets

Large number of older devices as well as non-standardization increases deployment time and support.

## Phones

Older legacy phone system is costly and unreliable. Move to Session Initiation Protocol (SIP) and Voice Over Internet Protocol (VOIP) for easier management and added features.

## Specialized Programs

Virtual Desktop Infrastructure (VDI) allows the use of virtual machines to provide and manage virtual desktops while reducing the cost of hardware and the time to deploy.

## Sustainability

Budgeting and planning with forecast data to prevent waste and promote fiscal responsibility to allocate funding for software and hardware.

# Support/Communication

### Incident Reporting

Integrations with Resource Management and other services

### Remote Assistance

Access to user devices on site or at home

### Mass Notification

Reaching the students, staff, and community using current and emerging technologies

### Knowledge Base

Repository for self-help to reduce the time needed to address issues

### Training

Empowering our users to grow with technology and reduce the anxiety of new technology

# CLASSROOMS

Interactive panels

Wireless streaming

Collaboration tools

Paging

Voice

# Looking Ahead


## 1 Infrastructure (18-24 months)

Improving cabling, equipment, and services

## 2 Security (12-18 months)

Implement changes to secure access to content, networks, and devices at home or on-site

## 3 Standardization (8-12 months)

Providing a standard to hardware, software and services while allowing the flexibilty to support specialized programs

## 4 Future Ready Assessment

Gauging our district's readiness to begin implementing student-centered, personalized learning initiatives https://dashboard.futurereadyschools.org/

# Thank you!