

Gathering Input

- Dell Services infrastructure analysis
- KISD District Technology Committee(Tech Plan)
- Campus Technology Committees
- KISD Teacher Advisory Committee
- Parent Community Surveys- K-12 insight
- KISD Curriculum and Instruction plans/strategies
- Gartner Consulting Services

Technology

- Infrastructure

- Some replacement/upgrade with 2008 Bond
- Several core components are end of life
- Over half of UPS systems at campuses have or are failing
- Newer technologies result in interoperability issues with existing equipment
- Current wireless not operating with latest wireless standards

- **Disaster Recovery/Business Continuity**
 - Currently Student Information System and Financial System are the only systems backed up locally and remotely off site.
 - Learning applications that are not cloud based are not optimized for Disaster Recovery.
 - Fiber Hub and Spoke design does now allow for redundancy in the KISD Wide Area Network

- **Internet BandWidth**

- Currently have 700Mb of bandwidth to Internet with saturation during peek times
- Federal E-Rate will require 3 Gb of bandwidth by 2018
- Current network equipment will not allow for this increase.
- Switches - Filtering Appliance
- Routers -Firewall

- **Hardware**

- Aging servers- all new servers are virtual using a blade/chassis design
- New hardware needed to upgrade district Web Site, Campus Web sites (Mobile presence)
- Standard Classroom Technology Upgrade
 - Projectors (many 7-10 years old)
 - Sound systems in Cafeteria
 - Computers/devices

KISD Technology Needs

- Infrastructure Hardware \$ 5 million
- Wireless Upgrades \$ 2 million
- Classroom Hardware
 - 600 projectors \$ 600,000
 - 7,000 computers/devices \$ 4.4 million