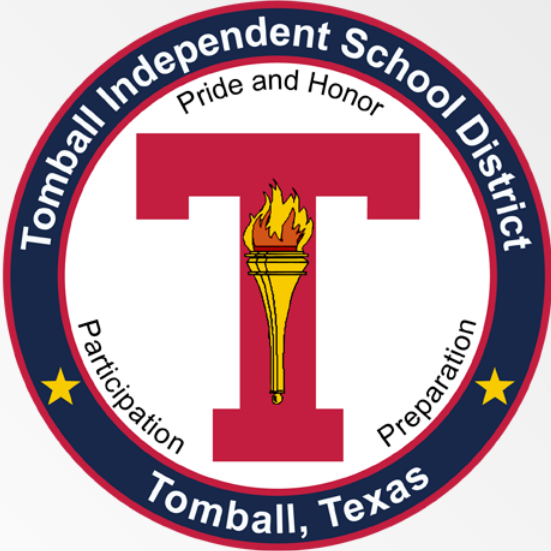


Tomball Independent School District



# Facility Study

2017



# Future Learning Space





# Recent Projects Completed

- **Instructional Technology Projects:**
  - **Professional Development for teachers, administrators, and staff**
    - 21st Century Learning Academy
      - Courses include
        - Engage and Enhance, Data, Rigorous Learning, Extend Learning
    - GSuite for Education
    - Chromebooks and Apps and Extensions
    - Eduphoria Suite
    - Monthly Webinars
    - SMART Technologies
  - **Integrated Curriculum and Support**
    - TA-TEKS and 21 Century Skills and Digital Citizenship
    - Curriculum Feedback Loop
    - 8th Grade Technology Applications Proficiency Assessment



# Recent Projects Completed

## ▪ Technology Infrastructure Projects:

- Upgraded and Increased Wireless Network at all Campuses. (Summer 2015 & 2016)
- Increased the Internet Bandwidth for District from 1Gbps to 2Gbps. (Summer 2016)
- Upgraded Backup Tape Drive System. (Winter 2017)
- Upgraded Network Storage to 3Par. (Fall 2016)
- Upgraded Security Camera Software. (Summer 2016)
- Upgraded Fiber Channel Switches in NOC to 10 Gbps. (Fall 2016)
- Switched 1 GB LAN Connections from AT&T to Comcast District-Wide. (Summer 2016)
- Upgraded all Teacher Desktop Computers (1,200) District-Wide. (Summer 2015)



# Technology Available

## ▪ Current Inventory:

- 3,700+ Windows Desktops
- 1,500+ Windows Laptops
- 9,079 Chromebooks (**8504 Student Chromebooks / 283 Chromebook carts**)
- 881 Network & Stand Alone Printers
- 70+ Windows Servers (Virtualized and Stand Alone)
- 150+ Network Switches (1GB Switches)
- 1,600+ Wireless Access Points (802.11 A, B, G, N & AC)
- 2 Gb Internet Connection
- 60 TB Network Storage
- 750+ Security Cameras
- Projectors & Interactive Boards in Every Core Classroom
- Webcams/Document Cameras in Every Classroom



# Upgrades/Future Growth/New Technologies

## ▪ Learning Technologies

- Laptop for every Classroom Teacher (Replace Desktop for Mobility)
- 1:1 Classroom Device Initiative (Purchase approximately 367+ Device Carts)
- Lightspeed Redcat Classroom Audio System (Enhance Teacher Voice in Classrooms)

## ▪ Needed Upgrades: (Next 5 years)

- Upgrade 1,350 Windows Desktops (8-Year Replacement Cycle)
- Upgrade 9,000+ Chromebooks (5-Year Replacement Cycle)
- Upgrade 1,200 Document Cameras (5-Year Replacement Cycle)
- Upgrade All Network Switches (Transition from 1GB to 10GB for bandwidth growth)
- Upgrade 600+ Security Cameras (Transition from Analog to Digital Cameras)
- Increase 200+ Security Cameras (Additional Cameras for Safety and Security)
- Upgrade Media Wall Plates in every Classroom to support new technologies