

Belmont High School Building Project

Technology Planning Update

Belmont High School

Current Configuration

Classrooms

- Desktop PC for faculty
- SMART Board Display System
- Wireless
- Printing is centralized to each department office
- Each student has a device

Labs and General Use Space

- Seven PC desktop labs
- Single class use, on-going classes, training, and state testing
- Used for applications which cannot be run on mobile devices
- Media Center provides additional device capacity
- Smaller labs in Photography, Special Education classrooms

Administrative Areas

- Main office, including Principal and Assistant Principals
- Curriculum departments
- Guidance
- Technology
- Maintenance
- Food Services

Infrastructure

- Network wiring to all areas of the school
- Most is 10-20 year old Category 5 or 5e specification
- Network speeds vary from 100 to 1000 Mbps
- Wireless coverage throughout most of the building

Infrastructure

- One of three fiber hubs serving the Town of Belmont
- Fiber redundancy and disaster recovery services
- Internet access via redundant ISPs
- Supports district phone and security services
- Provides town-wide wireless services

New Building Planning

- On-going work with Curriculum Directors
- Convene a working group to research and recommend classroom and student device technology
- Design an advanced wireless infrastructure
- Support science instrumentation and assistive technology

New Building Planning

- Identify quantity and purpose of new lab space
- Realign Technology Department staffing
- Maintain interoperability with existing town-wide phone and security systems
- Design and build a parallel network infrastructure