



Technology Services Bond Projects

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Technology Services Bond Projects

1. Wide Area Network (WAN) Connection

- All schools received a dedicated 1GB connection – 100% Complete
- Comprehensive High Schools Received 2GB Network Connection – 100% Complete
- WAN connection to COE/Internet upgraded to 10GB (10 times faster) – 100% Complete



2. Data Drops

- **Continue to install additional data connections for student computers, phones, copy machines and wireless infrastructure**

3. Network Equipment - Data Center Upgrade

- Leverage Erate with bond funding for upgrade to eligible components (network, servers (email), phones, cabling, etc.).
- Upgrade to AC wireless for all school sites – **CCMS, RHMS, Ann Soldo pending**

4. Backup and Storage

- Off-Site Backup of critical district data – COE and PVHS – 100% Complete
- **Add additional data backup and storage**

5. Cooling

- **Provide Cooling to 3 school MDFs**

6. Video Security Cameras

- Secondary Schools Installation and upgrades 100% complete
- Secondary Schools Installation and upgrades 100% complete
- **Round 2: Secondary schools additional cameras**



7. VoIP Telephones

All schools have been cut over to VoIP telephones. **Upgrades to servers and handsets pending.**



Technology Services Bond Projects

8. Network Security

- Increase network security via Implementation of Next Generation Firewall
- **Network Penetration Testing**
- **Managed Detection and Response (MDR) Services**



9. Intelligent Classrooms

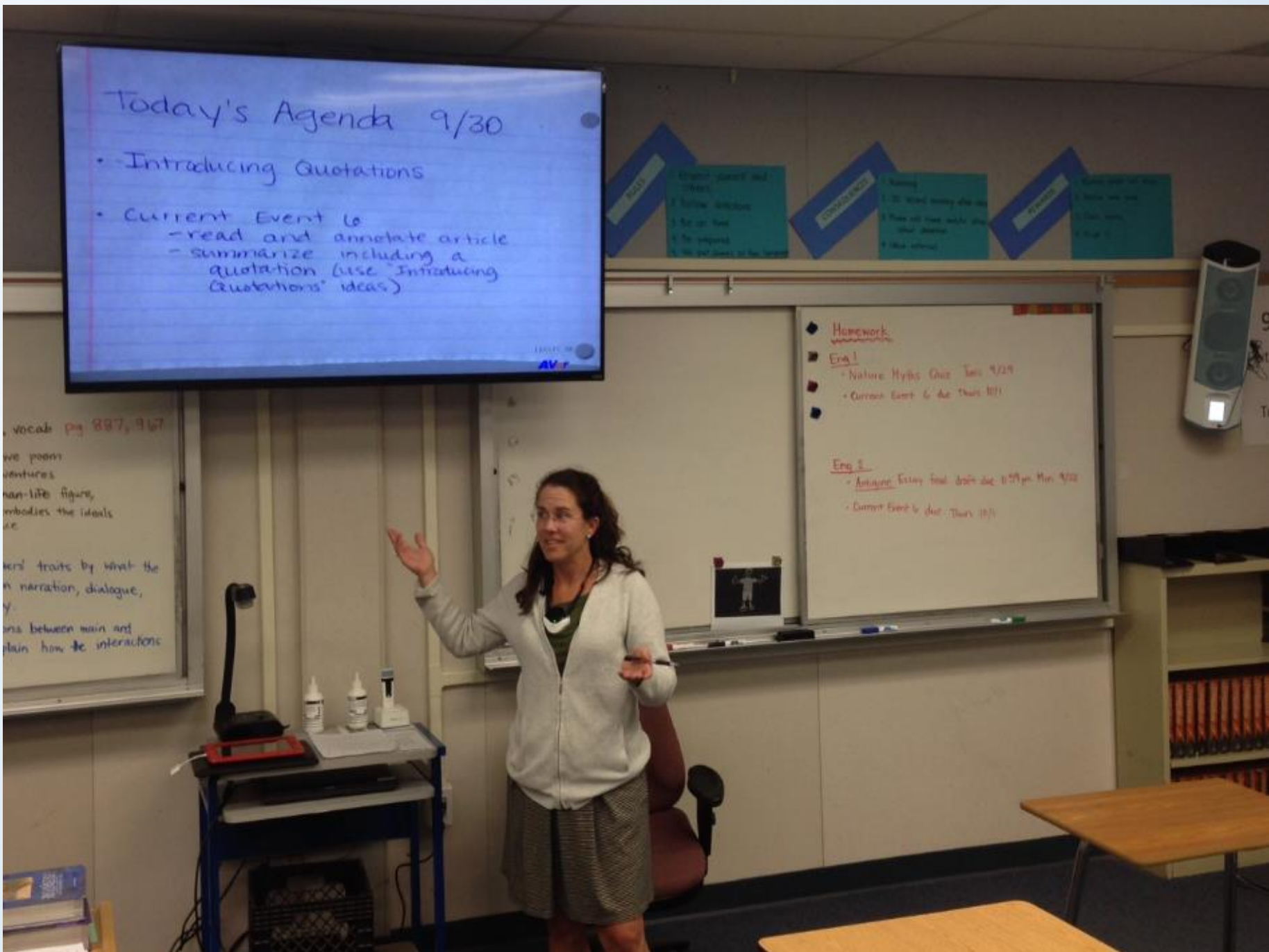
- Identified 3 instructional technology tools for the Intelligent Classroom Project
 - Install 70 inch LCD Displays
 - Document Camera
 - Classroom Audio Distribution System
 - Teacher and student microphones
 - 1:1 Teacher Training on all Systems
 - New Electrical as needed
 - Ensuring all teachers have mobile device to connect to display
- Project installation began in Spring 2015
- Project 99% Complete – 6 classrooms still pending
- **Intelligent MPR Project** – To begin this year



Intelligent Classroom



Intelligent Classroom



Technology Endowment 2016/17



- One-to-One Chromebooks (and GumDrop covers) for students District-wide
 - Carts of 35 CBs for each classroom 3rd-12th Grades
 - One Cart per grade level K-2
 - 3 Schools have 1:1 Take Home (PVHS, WHS, LVM)
- Google (VR) Expedition Kit - for classroom use
- Critical Thinking and Coding Educational Tools for classroom use
 - OzoBot, Sphero, BreakOut Edu, Etc.
- Three Bus Wi-Fi Units
- Mobile Set of iPads for VAPA Teachers
- Continue with Teacher Chromebook Distribution
- Two ½ bond funded ToSA for professional development
 - Supporting Chromebook 1:1 implementation, Intelligent Classroom, etc.
- One ½ bond funded Systems Engineer for Chromebooks Deployment, Intelligent Classroom Project and Systems Management, etc.



Questions?

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