

State of Technology

February 11, 2014

Rob van Herk

Director, Technology Services

Staff

- Terry Pinol - Data Systems Manager
- Linda Oronos - Systems Analyst
- Robyn Odell-Kondo - Student Information
- Jasmina Huskic - Data Specialist
- Chrissy Eng/Sandy Keh - Support Specialist
- Letty Lopez - Technician
- David Cooper - Network Administrator
- Ed Coover - Media Specialist/Technician
- Donovan Moretz - Technician
- TBA - Technician (Chromebook)
- Rob van Herk - Director

Infrastructure

- **Network**

- Main local switches replaced
- Additional switch replacement needed for new phone systems
- AT&T connection between sites

- **Wireless**

- All done.
- Bay Farm and Encinal need upgrade

- **Servers**

- Replacement need
 - Exchange, Print servers, storage servers

- **Storage**

- Student and Teacher storage is reaching capacity
- Email storage is over 80%
- Install new storage servers during summer break

Computers (desktops and laptops)

School	Enrollment	Computers	Students per computer
Bay Farm	563	86	6.5
Earhart	612	209	2.9
Edison	486	97	5.0
Franklin	314	67	4.7
Haight	435	113	3.8
Lum	509	132	3.9
Maya Lin	351	95	3.7
Otis	568	103	5.5
Paden	329	95	3.5
Ruby Bridges	609	222	2.7
Junior Jets	179	16	11.2
Lincoln	956	146	6.5
Wood	443	104	4.3
Alameda High	1762	313	5.6
Encinal	1067	277	3.9
Island	178	140 (Includes Adult Ed)	1.3
ASTI	168	41	4.1

Other computer resources

- **Tablets**
 - iPad
 - Android devices
 - Microsoft Surface
- **LCD Projectors and Document Cameras**
 - All teachers from Measure A
 - Consider upgrade or different equipment
 - Ceiling Mounted Projectors?
- **Chromebooks**
 - Smarter balanced assessment device.
 - 45 carts (1620 devices) in March (already 4-6 carts in District)
- **Printers**
 - Ricoh
 - Print Servers
 - Classroom

Software

- **Aeries (Student Information System)**
 - Online Course Requests (AHS)
 - Teachers access to Aeries.NET instead of ABI
 - Better reporting
 - Flexible query options
 - Student Profile (attendance, latest test results)
 - Training is challenge
 - Online demographics update
 - Parent Email
- **SharePoint**
 - Document storage
 - Intranet
 - Collaboration

Phones

- **Existing**
 - Local ‘Switch’
 - Some systems owned by AUSD, others leased
 - Maintenance cost
 - Parts no longer made
 - Proprietary technology means high price
- **Switching to Voice Over IP (VOIP)**
 - System using ‘Switch’ in the Cloud
 - Fixed price by user
 - 70% covered by E-rate
 - Predictive cost
 - Earhart first school (October 2013)
 - Issues with AT&T’s link to internet (fixed now)
 - All schools and District Office before June 30, 2015

Workorders in 2013-2014

School	Enrollment	Total Work Order Tickets	Closed Work Order Tickets	Open WO %	Students per WO
Bay Farm	563	86	77	5.1%	6.5
Earhart	612	106	94	6.7%	5.8
Edison	486	64	54	5.6%	7.6
Franklin	314	46	43	1.7%	6.8
Haight	435	90	83	3.9%	4.8
Lum	509	124	119	2.8%	4.1
Maya Lin	351	59	56	1.7%	5.9
Otis	568	99	94	2.8%	5.7
Paden	329	52	51	0.6%	6.3
Ruby Bridges	609	111	98	7.3%	5.5
Junior Jets	179				
Lincoln	956	104	97	3.9%	9.2
Wood	443	69	60	5.1%	6.4
Alameda High	1762	257	222	19.7%	6.9
Encinal	1067	280	230	28.1%	4.5
Island	178	68	62	3.4%	2.6
ASTI	168	36	33	1.7%	4.7

Challenges

- **Replacement Budget**
 - Computers have a 5 year life span (5yr warranty)
 - Chromebooks (3 yr warranty)
- **Support staff**
 - More than 1,000 computers per technician
 - Specialist knowledge versus General knowledge
 - Mac? PC? iPad? Chromebook? iPhone?
- **Technology Purchases**
 - District – Site - PTA
- **Bring Your Own Device (BYOD)**
- **Acceptable Use Policy (AUP)**

Questions
