2013-2016

Technology Plan

East Valley School District 361
July 1, 2013 to June 30, 2016
### E-rate Priority 1

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<tr>
<th>Network &amp; Telecommunications Plan</th>
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#### E-rate Priority 1

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<th>Voice, Data &amp; Video</th>
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**Telecommunications Services:**
- a. Local and long distance telephone service.
- b. Cellular phone services for administration staff, operations staff and for emergency communications.
- c. Lit or Dark Fiber Service: Lease of unmanaged lit or dark fiber connections for EVSD schools, data center, and administrative offices.

**Internet Access:**
- a. Utilize Washington State K20 connectivity as primary Internet connection.
- b. Secondary ISP services to provide additional bandwidth and redundancy for educational programs and administrative support.

**Other Services:**
- a. Hosted web-based email and filtering services for EVSD student and staff email accounts.
- b. Web hosting services for EVSD web site

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**How will these services support your district’s learning goals?**

These services support the District's Learning Goals by providing means of communication that supports teaching and learning, access to educational resources, provide parents access to information regarding their children's progress, allow staff and students quick access to pertinent information, and provide for a safer environment in which to work, teach and learn.
## E-rate Priority 2

### Network & Telecommunications Plan

#### Internal Connections

- Provide communication capabilities to all EVSD classrooms and office locations via upgraded PBX systems at all sites.
- Voicemail capabilities for all staff members
- Wireless access in all areas of every EVSD facility. Sufficient wireless capacity to support future one to one student to computing device initiatives. Includes wireless access points, cabling, wireless controllers, and installation services as well as basic support.
- Robust wired local area network at each facility with a minimum of 10 network drops per classroom
- Network switches and routers necessary to support both the wired and wireless network (including fiber optic and copper transceivers)
- Upgraded firewall to act as the edge routing device for the EVSD network as well as protecting the EVSD network and users
- Upgraded DHCP, DNS, and Email servers
- IP based video distribution system
- Racks, UPS, wiring, installation for all of the above services
- Basic Maintenance of the above equipment

### How will these services support your district’s learning goals?

As East Valley School District moves to using technology to deliver new curricula and to assess student learning, a robust infrastructure is necessary to ensure that students, teachers, and administrators have timely access to these curricula, assessments, and other internet and intranet based information.
Technology Needs Assessment (District Technology Standards)

Detail your district’s standards for network infrastructure and technology.

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<tr>
<th>District Standards for Technology &amp; Maintenance</th>
<th>Optional—Budget</th>
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| East Valley School District follows the OSPI provided standards for personal computers ([http://www.k12.wa.us/EdTech/SurveyFAQs.aspx](http://www.k12.wa.us/EdTech/SurveyFAQs.aspx)). As of the time of writing, all new desktop and laptop computers purchased meet the following specifications:  
- Minimum of an Intel or AMD based Pentium IV/Core 2/Core i3 3.4 GhZ or higher desktop or laptop  
Standards are reviewed on an annual basis and will be updated as OSPI releases new minimum specifications.  
Dell and Lenovo have been selected as the standard for Laptops and Desktops. We purchase the Optiplex line for our desktops and the Dell Latitude and Lenovo Thinkpad laptop lines. All computer purchases must be pre-approved by the EVSD Technology Services Department.  
East Valley currently uses Apple iPads as the preferred tablet. Other tablets may be used with Technology Services approval.  
East Valley currently uses the Avaya IP Office PBX system at all schools.  
The district standard for wireless and wired network equipment is Enterasys, although vendor selection may change due to e-rate bid requirements. All classrooms have at least 100 Mbs switched connection to the EVSD network. All future installation will provide 1 Gbps wired connections. The majority of the wireless network is currently 802.11n. The remaining 802.11g access points will be upgraded during the 2013-2014 school year.  
The district maintains a leased dark fiber network in a ring topology. The network currently provides 1Gbps, with plans to upgrade to 10Gpbs.  
East Valley uses the Washington State K-20 network as its primary internet connection. The connection is 1Gbps with a 100Mbps contracted rate.  
Annual inventory reports and Computer Service Requests (CSR) status and completion reports will provide a snapshot of how the district is addressing infrastructure, hardware, technical support and software.  
District Standard Software:  
1. Word Processing: Microsoft Word |

2013-2016 East Valley School District Technology Plan
2. Spreadsheet: Microsoft Excel
3. Presentation: Microsoft PowerPoint
4. Desktop Publishing: Microsoft Publisher
5. Internet Browser: Internet Explorer and Google Chrome
6. Email: GroupWise/Office 365
7. Anti-Virus: Sophos
8. Acrobat Reader
9. Gradebook: Skyward EA+
10. Online and Computer Assisted Instruction: Discovery Education United Streaming; Aventa Learning; CompassLearning Odyssey; Reading Counts; Encyclopedia Britannica Online.

A variety of specialized software is also utilized at specific grade levels and to meet unique departmental needs. All technology purchases must be approved by the Technology Services Department. This ensures that software and hardware purchases meet district technology standards and Total Cost of Ownership goals.
## Technology Needs Assessment (Maintenance & Tech Support)

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<th>Equipment Plans</th>
<th>Timeline</th>
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<td>All technology support services are provided by the EVSD Technology Services department. This support currently consists of the Director of Technology, two computer technicians, and one Technology Support Assistant. Outside consultants and on-site warranty repair are used as needed. All computing equipment is purchased with a minimum of a three year warranty.</td>
<td>All referenced equipment is serviced and maintained on an as-needed basis. Requests from school personnel for support have a goal of a 24 hour maximum response time. Support for all systems is generally performed in-house by EVSD employees. Outside contractors will be used when necessary. The upgrade and replacement schedule for all equipment and software will be on-going throughout the 2013-2016 technology plan period.</td>
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<td>Desktop computers will be replaced on a six year replacement cycle. Laptops and computers used for specialized, high-end applications will be replaced on a 4 year cycle. VDI initiatives will be studied for possible implementation during the 3 year technology plan period. ¼ of servers will be replaced each year to maintain a 4 year lifecycle.</td>
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<td>Network equipment, Phone system equipment, and firewalls will be replaced on an ongoing basis or as needed with a goal of a 5 to 6 year replacement schedule for network equipment and a 7 year schedule for phone systems. Physical cabling is upgraded/replaced on an as needed basis. Full replacement/upgrade is scheduled as part of a capital bond measure.</td>
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<td>Software is upgraded as needed as dictated by curricular, program, and district needs.</td>
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<td><strong>How will these services support your district’s learning goals?</strong></td>
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<td>To accomplish our vision for technology, staff and students must use technology to teach and learn. Equipment must be reliable, available, usable and accessible. When equipment doesn’t meet these requirements learning is hindered or the equipment is not used. Our maintenance plan will insure that our teachers and students have access to the tools to retrieve and effectively use information and to successfully achieve their personal, education, and workplace goals.</td>
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### Professional Development

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<th>Equipment Plans &amp; PD Strategy</th>
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| - The staff will attend professional development sessions during late start days where they learn how to integrate technology within each content area as a part of the adoption and implementation process. The instructional technology specialist will continue to model lesson in the teachers’ classrooms and during group workshops. Additional workshops will continue to be offered after school hours and clock hours will continue to be provided for teachers that attend. | 2013-2016  
Provide technology related professional development during late start professional development time (Monday mornings)  
Ongoing afterschool classes and web-based trainings |
| - Internet based training will be utilized to teach basic computer use skills as in person professional development shifts to the integration and use of technology in all content areas. | 2013-2014  
Provide A+ training to Computer Technicians |
| - Computer technicians will be provided professional development relating to new technology products. Training will also be provided with the goal of each technician earning the A+ and Network+ certification | 2014-2016  
Provide Network+ training to Computer Technicians |

**How will these services support your district’s learning goals?**  
As Technology quickly changes, teachers need to acquire and maintain the skills necessary to successfully use technology as a learning tool in the classroom. Technical support staff needs to maintain proficiency with new technologies in order to ensure the highest level of availability of the technology tools for the staff and students.
## Technology Plan Review & Update

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<th>Strategies for Review &amp; Update</th>
<th>Person or Responsible Team</th>
<th>Timeline</th>
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<td>The Supervisor of Technology is the person responsible for overseeing the implementation of the plan. The plan will be evaluated on an ongoing basis. The Supervisor of Technology, with the help of school site leaders, will gather data and report on the progress of the technology plan throughout the year using district technology assessments, self-assessment surveys, and technology CBAs. The purpose of this is to discuss new and developing issues, evaluate progress and identify strengths and weaknesses. The Technology Committee will conduct a formal evaluation of the plan on an annual basis. Recommendations, updates or adjustments to the plan will be an objective of the annual review. This process will not only assess the implementation of the plan, but it will allow for flexibility and change. The first level of monitoring progress of student learning and curricular goals will occur at the site level. Principals and SIP Team members will evaluate student learning and curricular goals relative to technology. Each school’s data will be compiled and reviewed for an overall assessment of the district. The benefit of this model is accountability at the site level along with individual assessment of the school’s progress. The data gathered from the school site evaluations will be reviewed and evaluated by the district technology committee. Feedback and recommendations will be reported to each school and the Board of Education. This process will enable schools to update or change their strategies for instructional technology as needed. Evaluations from professional development courses will be reviewed and changes made to PD, if necessary.</td>
<td>Supervisor of Technology</td>
<td>February-March 2013 - EVSD Board of Directors approval of Technology Plan</td>
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<td>Instructional Technology Specialist</td>
<td>April 2013 – Plan submitted to the Office of Superintendent of Public Instruction (OSPI) for approval.</td>
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<td>District Technology Committee</td>
<td>December 2013 - Technology Committee review Plan. Update where applicable.</td>
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<td>Building Principals</td>
<td>December 2014 - Technology and Learning Committee review Plan. Update where applicable.</td>
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<td>SIP Team Members</td>
<td>November 2015 - Begin developing new 3-Year Technology &amp; Learning Plan or update existing Plan if applicable.</td>
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<td>EVSD Board of Directors</td>
<td>March 2016 - Complete new Technology &amp; Learning Plan.</td>
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