

Technology Coordinator Report

March 8, 2010

1. The implementation of the Literacy by the Lakeshore grants continues. An information celebration was held on February 9th, 2010 to announce the grant. An Internet Safety night was held on February 23rd, 2010, for parents to learn about Internet safety for their children. A webpage was placed on the District Website that contains Internet safety resources for parents. We will be providing this presentation again before the end of the year. As part of the grant we have selected vendors to implement an enterprise class wireless system in our District and to create a wireless network link to LaPointe from the Bayfield School building. Cisco and Centurylink of Rice Lake were selected for the enterprise wireless system and CommConnect of Cedarburg WI was selected for the wireless network link to LaPointe. See attached summary sheet for vendor selection.
2. Installation has begun of the interactive white boards from Promethean called Activboards. We have four installed in Ms. Peterson, Ms. Nyara, Ms. Johanik, and Ms. Noteboom rooms. They have already started using the boards and the reaction has been tremendous by the teachers and students. We have seven more to install. Training has been arranged for our staff on March 18th. I am attending an installer training in Atlanta GA from March 9th to March 12th. By becoming a certified installer we get an additional two years of warranty on the boards and we save money by installing the boards ourselves rather than hiring an outside company to install the boards.
3. E-rate paperwork has been filed for next year. We are looking at a potential savings of \$29,000 on our Internet, and Telephone bills for next school year.
4. 37 technology jobs have been opened since February 3, 2010 and 39 jobs have been closed.
5. I was able to attend the state-wide technology conference in Wisconsin Dells from February 28th to March 2. This conference is for District and school technology folks around Wisconsin, Minnesota and Iowa. I attended several training seminars on group policy, Promethean Activboards, Apple computes and servers, Active Directory-Open Directory integration and 1:1 computer initiatives. I spoke with several technology directors from around the state. A very worthwhile conference. I appreciate the opportunity to attend.

Troller Pride

David Roseth
Technology Coordinator

Vendor Selection process for Wireless Lan and Wireless Network Connection to LaPointe.

Wireless Lan.

One of the goals of the Literacy by the Lakeshore grant is to implement an enterprise class wireless network for the School district of Bayfield. This network will be used so that students, and staff will be able to access District network resources securely and allow guest and students to bring in their personal laptops to access the Internet. The project will be paid for through grant money.

Criteria for Vendors was:

1. Create networks for student and staff (authenticated users) and a network for guest access that is separate from our internal District network.
2. Allow bandwidth shaping (The ability to control the amount of bandwidth on the guest network) on all networks.
3. Ease of configuration and deployment.
4. Support for the network.
5. Allow for 802.11n and 802.11b/g connections.
6. Power over Ethernet, dual radio Access Points. Total of 20 access points.
7. Wireless lan controller for access points and all associated licensing and hardware needed.
8. Setup and configuration of Wireless lan controller.
9. District will install and hang the Access points.

Vendors submitting bids:

Cisco through CDWG, Ruckus through Villarri Mobile Solutions, Trapeze through CompuNET International, Aruba through Accuvant, Hewlett Packard (HP) through Technology Resource advisors (TRA), Cisco Through Century Link (CT of Midwest – Kendall).

Vendor	Brand	Cost	On Site visit	References	Controller Demo	Followups	Extra's
CDWG	Cisco	\$16,857	No	No	Yes	Yes	None
Villarri	Ruckus	\$16,134	No	Yes	No	No	None
CompuNET	Trapeze	\$14,029	No	Yes	Yes	Yes	None
Accuvant	Aruba	\$15,341	No	No	No	No	None
TRA	HP	\$16,740	Yes	No	No	No	None
Century Link	Cisco	\$17,818	Yes	Yes	Yes	Yes	Yes (See Note Below)

Note: CenturyLink offered a 20% discount on our local phone service of the next three years. This will amount to a savings of \$3,000 to the District from its operating budget.

Century Link, Cisco was selected do to criteria listed above and the 20% discount on our local phone bill. Cisco is the industry standard in network equipment. The cost of the project is funded through the grant. The discount on our phone bill will save the District money on its operations budget.

Wireless bridge to LaPointe

One of the goals of the Literacy by the Lakeshore grant is to implement a wireless network link between the LaPointe School and the Bayfield School building.. This link will be used so that students, and staff from LaPointe will be able to access District network resources securely and speedily. The project will be paid for through grant money.

Vendors:

Motorola from DSC Communications, Motorola from CDWG, Motorola from CompuNET International, Sol

Vendor	Brand	Cost	On Site visit	Max Bandwidth	Tower Needed	Followups	Line of Sight or Non Line of Sight
CDWG	Cisco	\$5270	No	15 Mb	Yes	No	LOS
DSC	Motorola	\$8482	No	20Mb	Yes	No	LOS
CompuNET	Motorola	\$9,175	No	15Mb	Yes	Yes	LOS
CommConnect	Solecteek	\$9600	Yes	100 Mb	No	Yes	NLOS

CommConnect was selected because they were the only vendor to do an on site survey and be able to do the link without using a tower on the LaPointe end (non line of sight). They also had the maximum bandwidth available. This project will be paid for through grant funds.