Keith Zamudio
Director of Technology Board Report
December 12, 2018

2017-2018 GOALS FOR THE TECHNOLOGY DEPARTMENT

- Continue to investigate CSD's data link services between Mt. Eccles Elementary School and Cordova Jr./Sr. High School as allowed by E-Rate's Second Modernization Order.
- Continue to investigate CSD's bandwidth needs to accommodate our digital learning environment.
- Continue to expand the Cordova City Consortium for E-Rate subsidies.

INSTRUCTIONAL TECHNOLOGY

ASTE 2019 - Unplugged

CSD will be sending a team of educators to ASTE 2019 - Unplugged. The CSD Admin team reviewed all staff requests to attend, and selected the following. Mt. Eccles staff members include Krysta Williams and Lovie Brock, the High School staff include Sara Hottinger, Doug Carroll, and Emily Moody. I will be in attendance in my role as Tech Director for Cordova City School District and as an ASTE board member. Doug will be presenting at ASTE this year. His sessions are, Teaching Coding Using Tynker and Parrot Drones – three-hour session, and 3D Design and Printing Ideas – one-hour session. Thank you, Doug, for sharing.

ASTE is a nonprofit professional organization whose mission is to promote access to technology, connectivity to information resources, and technology integration for all Alaskan learners. CSD has actively participated in this conference since 2006. I believe that CSD's attendance at this conference has provided our staff a rich, positive and rewarding professional training that has benefitted our students.

I would like to extend an invitation to members of CSD's School Board to consider attending this conference. I believe that you will find the conference informative, engaging and enlightening. Additionally, you can observe the kinds of training opportunities our staff have been exposed to through the years. CSD attendees will have the opportunity to earn professional development credit and I will share reports with the board as I have in the past.

ASTE 2019 is scheduled for February 16 – 19, 2019 at the Hotel Captain Cook in Anchorage, Alaska. Thank you for your support.

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Mini ASTE Revisited?

We have set up an additional professional development course with, *Prince William Sound Community College*, for our staff during the second semester. This will build on course work we started with Mini ASTE 2018. This course will encourage participants to explore the attributes of a learning community. Participants will identify characteristics needed to establish learning communities, especially, within the academic setting. Participants will research and identify the attributes to build healthy functional learning communities.

Network Services

CSD's IT Department has been seeking network survey bids. The primary reasons for this survey are to determine the overall health of our network, its security, network traffic flow patterns, and a road map to replace and/or upgrade network equipment.

As I have reported in the past, E-Rate will provide subsidies to upgrade our wireless network. Subsidy is based on student enrollment which makes us eligible for about 80% of $52,000. This is the final year that subsidies are available for Wi-Fi installation. I will provide more specific costs etc. as we review proposals and move through E-Rate application process.

We are in good shape for the time being, however, our network infrastructure is aging. Most network equipment is nearly 10 ten years old, and equipment is nearing end of life support from vendors and manufacturers. The major network appliances are still under support for the next two to three years. This survey will help us plan for our future needs.

Thank you for your consideration,
Keith Zamudio – Technology Director

CURRENT PROJECTS/CONSIDERATIONS

- Continue to manage CSD's website
- Update student photos in PowerSchool
- Configuring upgraded web filter
- Upgrade and updating CSD's Managed Software Center
- Upgrade and updating CSD's modular system deployment
- Deploying Mobile Device Management server

UPCOMING PROJECTS/CONSIDERATIONS

- Continue work on E-Rate application for 2017, 2018, 2019 and 2020.
- Wi-Fi upgrade utilizing E-Rate subsidies
- Facilitate the survey of our network.

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