

Keith Zamudio  
Director of Technology Board Report  
May 9, 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***

#### **2018 E-Rate Funding Year Update**

CSD's application for E-Rate subsidies for the 2018-2019 school year known as the 2018 Funding Year was submitted by the Cordova City Consortium. The Cordova City Consortium's application for the 2018 Funding Year was approved. On April 26, 2018, the FCC released our Funding Commitment Decision Letter.

Recall, E-Rate subsidies have changed to primarily accommodate Internet access costs along with some Category 2 services that will help districts build Wi-Fi learning environments.

As I noted in my past report, the proposal submitted by CTC provides the circuit topology we are seeking. CSD will work with CTC to establish our ISP services in May and June. The goal is to have our services established as our contract with AT&T comes to an end on June 30, 2018.

A quick review of our next contract for ISP services that CSD will provide our staff and students. We will have a 150 Mb circuit which is nearly four times our current bandwidth at less than the cost of our current 40 Mb service. We will have our school buildings connected with a fiber link that will match our local area networks (LAN) capacity for data transmission. Additionally, CTC has agreed to increase our bandwidth during our MAP, WIDA and PEAKS testing. We just need to give two days' notice in advance of our testing schedule.

I am excited about our partnership with CTC and look forward to a positive and productive relationship that will benefit the community. We are increasing our stakeholders' capacity to utilize information and communication technologies, though I am confident that our users will fill that pipe, too. ☺



Cordova School District is committed to helping our stakeholders be cognizant of their digital presence/footprint so that they can make informed decisions, protect their personal information and keep themselves safe. The community of Cordova is the beneficiary of our collective efforts. Thank You!

### **AirWolverine2 (Instructional Network) Update**

This is the year your Tech Director has worn his engineering/programming hat. With the help of Curtis Motter and Jim Newman, we have made some changes to AirWolverine that increase security and limit personal devices on our instructional network. We are not allowing students to put personal devices on AirWolverine2. I watched our network list of devices loose nearly 200 mobile devices. This has helped us maintain better bandwidth for instructional purposes.

Our next step with AirWolverine2 is to group our wireless access points (WAPS) and assign specific channels for network traffic. This will load balance our traffic and provide greater throughput.

Lastly, and most importantly, this strategy adds a layer of security and protects our student data systems, share points and other sensitive information we charged with managing and protecting. I do have a separate network for guests called, StudentGuest. We turn this on as needed for visitors and community activities that take place on our premises. StudentGuest is on a separate network subnet and visitors are unable to browse our network and its resources for staff and students.

Thank you for your consideration...

### **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**

P.O. Box 1330  
675 Second Street  
Cordova, AK 99574



(T) 907-424-3265  
(F) 907-424-3271  
[www.cordovasd.org](http://www.cordovasd.org)

- Continue work on E-Rate application for 2017, 2018 and 2019.
- Migrating student email accounts to student Google Suites accounts.