DIRECTOR OF TECHNOLOGY'S REPORT

October 19th, 2015

The mission of the YPI Charter Schools (YPICS) is to prepare students for academic success in high school, as well as post-secondary education; prepare students to be responsible and active participants in their community; and enable students to become lifelong learners. Students at YPI Charter Schools will become active citizens who characterize the ideals of a diverse and democratic society. Students will provide service to their community, take responsibility for their own learning, and develop the habits of mind and body that will empower them to be successful in high school and beyond.

Background:

As requested, this is a summary of the major activities being performed as the Director of Technology, from August 24th 2015 through September 21st 2015, in support of three school sites, and the school wide priority of academic achievement and instruction. These initiatives fall under seven areas: Network Infrastructure, Server Infrastructure, Student Information Systems, Hardware Support, Instructional Technology, Programming and Strategic Planning.

14-15 Summary

1. **Network Infrastructure:**
   a. **High school and central office fiber installation**. Time Warner Cable Business Fiber has laid the fiber to the rear of the high school's media classroom, but is still in the process of installing the fiber distribution tray and network end point in the network cabinet. The central office's installation is in the pre-construction phase, with all permits having been authorized. The current anticipated install completion dates are 11/13/15 for both sites.
   b. **Jaffee R104 switch failure.** The switch was replaced at no cost by ITS, and the room's network is correctly functioning to support phone and printer connectivity.

2. **Server Infrastructure:**
   a. **Migration to Amazon Web Services.** We are currently using Amazon Workspaces for data exchange between Powerschool and Illuminate student information systems. Due to power outages and facilities issues, I am exploring the feasibility of migrating our web and database services to the AWS cloud.

b. **Google Analytics.** We have converted our website hit tracking system to leverage Google Analytics, which gives us the capacity to see how frequently our sites are being accessed, from where and to what content. All public sites have this tracking ability, from teacher sites to school identity sites. I expect to report the data from this capacity in the next board report.

3. **Student Information Systems:**
   a. **MiSiS.** This continues to be an issue. No guidance has come yet from the district on whether or not charter integration into MiSiS will continue.
   b. **Illuminate.** As noted above, we are in the process of implementing Illuminate as a replacement for Study Island.
4. **Hardware Support:**
   a. **Asset tagging**. We have ordered the asset tags to affix to each capital asset, including workstations, laptops, servers and printers. We expect to complete this project by the end of the calendar year.
   b. **Laptop support.** We are upgrading 45 refurbished Macbooks and iMacs at MORCS to upgrade them to a modern operating system. We will also be replacing the internal batteries on 20 Macbooks.
   c. **Help desk.** We have handled 114 help desk tickets from September 22nd through October 19th 2015, which is an average of approximately 6.7 tickets a day, There are 31 open tickets remaining. The ticket categories break down as follows:

Category	Tickets	Open	Resolved
Workstations	23	5	18
Laptops	31	5	26
Instructional Tech			
- Aleks, SI, etc	8	2	6
Facilities	7	4	3
Phone	7	0	7
Network Services			
(accounts, email, etc)	5	0	5
Powerschool & Records	10	0	10
Printing	7	0	7
Branding & Graphics	5	1	4
Network Infrastructure	9	2	7
Tech Strategy	0	0	0
Handheld Devices	2	0	2
Totals	114	19	95

5. Instructional Technology:

    a. **PLTW grant.** We have successfully deployed 45 iMacs with Windows 10 partitions and copies of AutoDesk Inventor in support of the Project Lead The Way exploratory grant, which gives the 6th grade communications teacher at BCCS to capacity to teach 3D modeling concepts, which supports an integrated STEAM type curriculum.

6. Programming: No time was allocated to programming projects.

7. Strategic Planning.

        1. **Technology support team training.** We are conducting weekly trainings to develop skills in server administration and scripting.

        2. **Documentation.** The tech support team is tasked with developing the run book, which details technology support processes within the YPICS community.