



## ***DIRECTOR OF TECHNOLOGY'S REPORT***

**November 30th, 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 October 19th 2015 through November 30th 2015, in support of three school sites, and the school wide priorities 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.** The high school installation has been completed. The network is logically separated from Maclay MS, and all traffic is running through the BCCS firewall and router. The transition between networks was fairly painless, as the student Chromebooks automatically moved to the new wifi network thanks to the Chrome management console, and the Macs migrated with the help of the Casper mobile device management server and the on site technology. The central office circuit should be complete and ready for use any day now, depending on access to the construction site.

#### **2. Server Infrastructure:**

- a. Migration to Amazon Web Services.** As a test, we have successfully migrated the Casper mobile device management server to an AWS cloud instance as well as a virtualized database. Virtualization allowed us to upgrade to the latest version without service interruption, the database is automatically backed up, and the server instance has a snapshot for rapid recovery. At this point, the cost is

negligible (under a one dollar for October), but will likely increase to upwards of \$50 a month as we migrate additional services to the cloud, which has the advantages of automated backup, availability monitoring, snapshots and network level security.

- b. **Google Analytics.** There is an issue where the Analytics plugin has been turned off in error on some of the websites, so our hit data is incomplete. I will be coordinating with Mr. Ruiz to identify the issue. We have partial data for the last 30 days:

i.	bccs	716
ii.	morcs	62 (11/19)
iii.	ypics	(no tracking reported)
iv.	bchs/ypivpchs	(no tracking reported)
v.	leadership.bccs	90
vi.	pd.ypics	152
vii.	Mr. Munavu	162
viii.	Mr. Rubin	435
ix.	Mr. Takeyama	475
x.	Ms. Camarillo	207
xi.	Ms. Contreras	146
xii.	Ms. Liz Garcia	210
xiii.	Ms. Kohn	245
xiv.	Ms. LeComte	489
xv.	Ms. Yefet	283

### 3. Student Information Systems:

- a. **Illuminate.** The technical aspects of the Illuminate implementation have been completed, we are awaiting the data training mtg.

### 4. Hardware Support:

- a. **Asset tagging.** This project is under way, we expect to complete this project by the end of the calendar year.
- b. **Laptop support.** We are continuing to upgrade 45 refurbished Macbooks and iMacs at MORCS to upgrade them to a modern operating system. We are in the process of replacing the internal batteries on 20 Macbooks.
- c. **Help desk.** We have handled 137 help desk tickets from October 19th through November 30th 2015, which is an average of approximately 4.9 tickets a day, There are 38 open tickets remaining. The ticket categories break down as follows:

<b>Category</b>	<b>Tickets</b>	<b>Open</b>	<b>Resolved</b>
<i>Workstations</i>	24	3	21
<i>Laptops</i>	35	3	31
<i>Instructional Tech</i>			
<i>- Aleks, SI, etc</i>	14	4	12
<i>Facilities</i>	12	4	8
<i>Phone</i>	8	0	8
<i>Network Services</i>			
<i>(accounts, email, etc)</i>	8	0	8
<i>Powerschool &amp; Records</i>	10	1	9
<i>Printing</i>	12	3	9
<i>Branding &amp; Graphics</i>	2	2	0
<i>Network Infrastructure</i>	7	1	6
<i>Handheld Devices</i>	5	1	4
<b>Totals</b>	<b>137</b>	<b>21</b>	<b>116</b>

**5. Instructional Technology:** No time was allocated to programming projects.

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

**7. Strategic Planning.**No time was allocated to programming projects.