

## **Category One**

### **Internet Access**

We need dedicated and more reliable Dynamic T1 service (3Mbps/3Mbps) for student and staff resources we host in house. We can use broadband which allows us more bandwidth at a better price for our BYOD network which we also use for school owned devices. CVA was approved to expand grade levels so we will need to increase our bandwidth from 12Mbps/5Mbps as the need arises. We would like the ability to expand up to 60Mbps/15Mbps for FY2015 if needed.

### **Telecommunications**

With our grade expansion approved, we may need to expand our current 5 local and long distance lines to 10.

## **Category Two**

### **Wireless Access Points**

Cyber Village Academy needs to cover all classrooms with wireless access. The majority of classrooms are made up of concrete walls, floor to ceiling. Our current ratio of 1 Access Point per 4 classrooms leaves weak coverage and over congestion when multiple classrooms are using the wireless network. There is 18 total classrooms/student areas with the possibility of adding more.

Wireless Access Points must be compatible with Meraki Cloud Controller we have in place.

### **PoE Switches**

Power over Ethernet switches will be needed to supply power and route wireless traffic.

### **Firewall**

Firewall with capability to monitor broadband bandwidth.

### **Cabling and connectors**

We need to add and/or upgrade the LAN connecting the access points to gigabit Ethernet.