

Technology Board Report

Desktop Systems

We have replaced projectors in a few classrooms. Our projectors were acquired between 2007 and 2010, are beginning to either burn through their consumables quicker than they should, or are losing their intensity and/or color due to age. Our growing interest with multimedia has greatly illuminated the limitations of the older projectors. We're looking into options to proactively refresh our classroom digital presentation hardware with next generation systems. 60" and larger 4K LCD displays are overtaking the market for their significant presentation quality over projection.

We have deployed several color laser multifunction printers; in some cases to replace aging and/or problematic color laser printers. The investment in multifunction is marginal over the cost of a replacement color laser printer, but the in-classroom/office benefit I believe is significant. As we continue to promote digital filing and classroom projection; having impromptu access to scanning in the work area promotes time savings.

Help Desk *(since last board meeting)*

Closed	New	In-Queue
74	89	91

Applications and Database

Continuing to develop the new applications website <http://apps.ects.org> now that our new website is fully launched. In the interim, <http://intranet.ects.org> has been repaired as needed to ensure access to resources remains available during the transition.

Began operating several admission components using the new application website. The transition to a web interface from Access offers remote interaction for the Admissions coordinator; as well as provided some improvements in data entry efficiency. There is still much to do with this direction; which is largely driven by a need to better incorporate the Application entry process with Infinite Campus student data, but the benefits are being realized.

Network and Server Systems

We have installed the additional 6 terabytes of storage in our hyper-converged Dell VRTX Server that hosts the bulk of our Virtual Servers, as well as upgraded several network interfaces from 1GB to 10GB for improved throughput of daily operations. In total we are running 24 Virtual Servers on 3 Hyper-Visors, and another 4 servers that are not virtualized. Of the 24 Virtual Servers, there are 3 in process of decommission, and 2 dedicated to testing. Our production environment operates on the remaining. Much of this distribution helps ensure that maintenance can be performed with limited impact. Our Microsoft Campus agreement licenses us to run unlimited virtual servers.

Upgraded several network switches over the Thanksgiving Holiday break. The existing infrastructure is nearing its 9th year. This is a success that we have extended beyond their planned lifecycle of 7 years. While it remains functional, it is being stressed with the growth ECTS has accomplished with Wireless Devices and larger file sizes in our daily operations. The new switches are 10GB capable, so we can upgrade our entire backbone from 2GB to 10GB. After testing, we have concluded we will need to replace the Fiber cabling to the skills center to overcome its limitation to support 10GB. While the rest of our fiber is also as old; with their shorter runs they successfully tested at 10GB, but should still be replaced. We hope to leverage E-Rate Category 2 funding for this.