

Urbana School District 116 2012 Technology Update

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Mission Statement

The mission of the Instructional Technology office is to provide resources and services that support teaching, learning and student engagement with technology including the use of computer hardware/software, web-based content, peripheral devices, multimedia, distance learning technologies, and emerging technologies in an environment in which student achievement is enhanced through a set of 21st Century learning tools and skills.

The Instructional Technology office is responsible for the planning, implementation, development, and support of all instructional technology accessed by students, teachers, administrators, parents, and the community.

USD116 Strategic Plan

Strategy 7: We will provide the facilities, technology, and infrastructure to support a comprehensive educational environment predicated on educational excellence.

- Action Plan 1: Urbana School District #116 will effectively integrate technology into instruction to help people learn.
 - Closely tied to Strategies 1 and 6
- Action Plan 2: All buildings will have the infrastructure to effectively handle current and emerging technology to use for instruction, communication, and management.
 - Networks, servers, electrical, and wireless environments
- Action Plan 3: All students and staff will have access to current technology to support educational excellence.
 - Refreshment plan, planning for the future, innovation and experimentation

Infrastructure Goals

- Connect all buildings to dark fiber so that they will have the infrastructure to effectively handle current and emerging technology for instruction, communication, and management.
- Provide a robust and reliable network and server system that supports student data management, HR/Finance data management, student assessments, district communications, Aramark, HVAC Energy Management System, Emergency Management, Security Camera System.
- Create wireless environments in all buildings in order to allow mobile and ubiquitous learning experiences for teachers and students.

Infrastructure Current Status

- 9 of 11 USD116 Buildings are connected to dark fiber
 - City Fiber Project
- King and Washington EC site are on UC2B rings – anticipated operational date is January 2013
- 8 of 9 school buildings have wireless environments – UMS does not (yet)
- Switches at UMS are at end of life
 - Skyward (Student and HR/Finance)
 - Food service POS (Point of Sale)
 - Online Assessment
 - Online state reporting and improvement planning
 - Energy Management System

Refreshment/Deployment Goals

Urbana School District 116 Technology Refreshment goals over the next three years include:

- *2013-2014*
 - *provide new technology devices for:*
 - *Early Childhood Teachers (\$35,000)*
 - *Support Personnel (\$30,000)*
 - *Special Services Teachers (\$50,000)*
 - *Administrators (\$20,000)*
 - *Administrative offices (\$30,000)*
 - *Fine Arts Teachers (\$20,000)*
 - *Title 1 Teachers (\$40,000)*
 - *Upgrade all school building servers (\$18,000)*
- *2014-2015 upgrade all elementary school computer labs (\$234,000)*
- *2015-2016 upgrade all secondary school computer labs (\$225,000)*

Accomplishments 2011-2012

Refreshment

- King
 - 3 laptops per room, 1 teacher, 2 student
 - New computer lab
- Yankee Ridge
 - 3 laptops per room, 1 teacher, 2 student
- Thomas Paine
 - 3 laptops per room, 1 teacher, 2 student
- UMS
 - MacBook Pros for Technology Course
- UHS
 - 90% have new devices (laptops and iPads)
 - iPads (30)
- Leal
 - 65% have new devices
 - Wireless Solution

Accomplishments 2011-2012

Infrastructure

- Energy Management System
 - Allows remote access to control heating and cooling
- King
 - Wireless Solution (includes Access Points, Switches, Routers)
 - Networked Security Cameras
- Yankee Ridge
 - Wireless Solution (includes Access Points, Switches, Routers)
- Thomas Paine
 - Wireless Solution (includes Access Points, Switches, Routers)
- UHS
 - Wiring of gymnasium
- Leal
 - Wireless Solution
- Athletic Complex
 - Interactive Scoreboard
 - Wireless Solution
 - Track Timing system
 - Networked concession stand
 - Networked Security Cameras

Current FY 2013 Budget For Technology

- TIF
 - Beginning Balance \$50,000
 - Current balance \$39,985
- Network maintenance
 - Beginning Balance \$5,000
 - Current balance \$4,919
- District Computer Maintenance
 - Beginning Balance \$14,000
 - Current balance \$12,657
- Curriculum Technology Line
 - Beginning Balance \$30,000
 - Current balance \$15,915

Costs for 2012-2013

- UMS Network Infrastructure is at end of life:
 - \$150,000 to replace switches
- Bandwidth
- Provide wireless solution for:
 - [Urbana Middle School](#) (\$150,000)
- Refresh Computer equipment for:
 - Urbana Middle School (\$91,000)
 - Prairie Elementary (\$47,000)
 - Wiley Elementary (\$47,000)
 - Leal Elementary (\$37,000)
 - Urbana High School (\$13,000)

Immediate Technology Needs

- Emergency expenditure to replace switches at UMS (\$150,000)
- Funding source to continue/resume:
 - Bandwidth and service provider
 - Infrastructure enhancements
 - Wireless environment at UMS
 - Fiber connectivity to King (and WEC)
 - Refreshment/Deployment Plan
 - Three elementary schools
 - UMS
 - Portion of UHS
 - Special Education

Other Technology Concerns

- Currently assessing fiscal and human resource impacts of:
 - PARCC (Partnership for Assessment of Readiness for College and Careers)
 - State assessment will be online
 - Decisions about e-texts and e-content instead of purchasing textbooks

Next Steps

- Administration will request emergency expenditure for the purpose of replacing switches at end of life at UMS at next meeting
- Administration will make recommendation for increased line items for technology infrastructure, refreshment, and maintenance