Master Facility Plan
Update

FUNCTIONAL
TEAM
REPORT

ARCON

Information Technology Team

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Executive Summary

Purpose
Information technology provides a firm foundation in which all school community members interact. The ease and consistency with which these interactions take place is rooted in the structures put in place by District 86 for information and instructional technologies. High School District 86 has long been a leader in the area of technology, both procuring state-of-art equipment and also leveraging that hardware for maximum and engaging learning opportunities. As we look to the future, the information and instructional technologies in both buildings face some blatant challenges we currently face:

- Lack of reliable and consistent infrastructure which will be required to support a growing number of devices and 1:1 computing and cloud sharing;
- Lack of physical space for both instructional and information technology work to be completed.

Priorities
Based on the needs acknowledged by the team and noted immediately following this summary, we identified the following components as priorities:
1. Purchase, installation, and maintenance of resources needed for 1:1 Computing & Cloud sharing with adequate power supply – Components 2 & 7;
2. Flexible spaces, work space for IT professionals, and student tech support – Component 1 option 2 & Component 6 option 2;
3. Revision of current space to make it more useful for District 86 staff and students – Components 4 & 7;
4. Printing kiosks if needed (dependent on 1:1 computing progress) – Components 3 & 8.

Contributors
Meetings of the IT Master Facilities Plan Update Team took place on five occasions during spring 2015. Contributors are listed below and represent a wealth of knowledge in both public and private sector information technology.
District 86 Community Members
 Joseph Amodeo, Alumnus & IT Consultant
 Jason Claycomb, Parent & IT Consultant
 Carol Meyer, Parent & IT Consultant
 Meg Ormiston, Parent & CLO Tech Teachers, PD Consultant
District 86 Faculty & Staff
 Katie Aquino, English Teacher, Instructional Tech Coach, & Steering Committee Liaison
 Kristen Bronke, Student Services & Instructional Tech Coach
 Arpan Chokshi, Social Studies Teacher
 Bill Egan, CFO
 Tim Hohman, Director of Technology
 Violet Jackson, Data Processing
 Jenn Jaczak, Business Education Teacher
 Eric Martzolf, Assistant Principal of Operations
 Kerrin Riley, Library Department Chair
 Bill Walsh, Assistant Principal of Operations
District 86 Students
 Hannah Smiles, Student
 Ashley Yong, Student
Jeff Huck, ARCON Assoc.

Information Technology Team Needs and Issues List

CENTRAL HIGH SCHOOL

1. Techs are housed remote from the Server Room in an undersized space;
2. Flexible project/work spaces are needed at multiple locations throughout the building;
3. A dedicated staff Professional Development/Instructional Technology space is needed;
4. A student help desk is needed near the Library;
5. Technology infrastructure supporting 1:1 and cloud computing throughout all classrooms and support spaces as appropriate is needed (will additional staff and spaces be required?) See Appendix 3/12/15 meeting notes;
6. Printing kiosks are needed at the Library and Cafeteria to support remote printing;
7. The Digital Video Production Lab is undersized;
8. Computer Lab 502 does not work well as a check-out computer lab due to its "L" shape and build-in cabinetry on the north and south walls;

SOUTH HIGH SCHOOL

9. An additional +/- 300 square feet of storage is needed adjacent to the IT room;
10. The location of IT is good as long as it remains near the Library;
11. A dedicated staff Professional Development/Instructional Technology space is needed (a temporary space is planned for Fall of 2015);
12. A student help desk is needed near the Library;
13. Technology infrastructure supporting 1:1 and cloud computing throughout all classrooms and support spaces as appropriate is needed (will additional staff and spaces be required?) See Appendix 3/12/15 meeting notes;
14. Printing kiosks are needed at the Library and Cafeteria to support remote printing;
15. Flexible project/work spaces are needed at multiple locations throughout the building;
16. Need a dedicated Digital Video Production Lab at the Library.

Information Technology Team Component List

CENTRAL HIGH SCHOOL
COMPONENT 1
OPTION 1
Heavy renovation of 2 existing classrooms near the Server and Library to house the Techs (600 sqft), a help desk (200 sqft), and a staff Prof. Dev./Instructional Tech space (800 sqft) with the total area renovated at 1,600 square feet. Assumes two displaced classrooms will be accounted for as part of an addition to the building. Addresses Needs items 1, 3, and 4;
OPTION 2
As part of an overall renovation to the Library, provide a 2nd story addition above the Cafeteria to accomodate space for each item listed in Option 1 plus four 10'x15' (180 sqft ea), and flexible project rooms lining a new west wall of the library. Assumes he Digital Video Production Lab is enlarged and moved to the addition. Assumes a commons is created between the project rooms and the current west wall of the Library. This commons would provide a dorect route from the Cafeteria to the second floor accademics wings and Library areas via an existing Cafeteria stair, and would connect the 2nd floor Special Ed area directly to the Library area and north academic areas. This option addresses Needs items 1, 2, 3, 4, and 7, and Needs identified by the Special Ed, Library, and Building Circulation Teams;

COMPONENT 2
Infrastructure throughout the entire building to support 1:1 and cloud sharing. Addresses Needs items 5 (Note: this item was addressed and approved at the 5/18/15 Board of Education meeting);

COMPONENT 3
Provide a printing kiosk at the entry to the Library and entry to the Cafeteria . Addresses Needs item 6;

COMPONENT 4
Heavy renovation of Computer Lab Room 502 at +/- 1,400 square feet, to re-plan the storage lining the walls and accommodate 30 computer stations . Addresses Needs item 8;

COMPONENT 10
Planning for future additions should include appropriate power needs for charging 1 to 1 devices within the classrooms, commons spaces, cafeteria, library, and other public spaces;

SOUTH HIGH SCHOOL
COMPONENT 5
Re-purpose 300 square feet from the Library area adjacent to IT for IT storage. Addresses Needs item 9;

COMPONENT 6
A 3,200 square foot heavy renovation of part of the 3rd floor Library space (Upper Library) to provide a staff Professional Development/Innovation Lab, a dedicated Digital Video Production Lab, and a student help desk. Addresses Needs items 11 and 12;

COMPONENT 7
Infrastructure throughout the entire building to support 1:1 and cloud sharing. Addresses Needs items 5 (Note: this item was addressed and approved at the 5/18/15 Board of Education meeting);

COMPONENT 8
Provide a printing kiosk at the entry to the Library and entry to the Cafeteria . Addresses Needs item 14.

COMPONENT 9

Planning for future additions should include appropriate power needs for charging 1 to 1 devices within the classrooms, commons spaces, cafeteria, library, and other public spaces;

7:00am--Hinsdale Central Community Room--3/12/15

Attendees:

Tim Hohman, D86 Director of Technology
Katie Aquino, English Teacher, Instructional Tech Coach, & Steering Committee Liaison
Ashley Yong, Student
Arpan Chokshi, Social Studies Teacher
Jason Claycomb, Parent & IT Consultant
Carol Meyer, Parent & IT Consultant
Hannah Smiles, Student
Nora Stack, Student
Joseph Amodeo, Alumnus & IT Consultant
Violet Jackson, Data Processing
Kristen Bronke, Student Services & Instructional Tech Coach

1. Review of previous topics discussed, D86 IT Overview, and time for questions
2. Solution Focus (based on questions from previous meeting)
   a. With regards to facilities for Information Technology, what is needed in each district building? *Initials of person providing idea included in parenthesis.
      i. At Central, IT people need to be in the same space (TH) 2nd Floor Near library?
      ii. At South, is there official space for tech included on plan? We need to make sure that this is marked out in the diagram (KA) Not shown
   b. With regards to facilities for Instructional Technology, what is needed in each district building?
      i. Flexible workspaces that can be used for a variety of purposes (teacher in-services, student laptop/collaboration work, etc.) (KA)
      ii. Common space for stakeholders to work on projects and professional development (AC)
      iii. Dedicated space for instructional technology team to work and train staff (KA)
      iv. Need lab space and help desk space
      v. Centralized location for support at South as the library's planned location doesn't serve as a good location.
   c. With regards to technology infrastructure, what is needed in each district building to support initiatives such as 1:1 and cloud computing?
      i. Charging stations in classrooms and throughout campuses (KB)
         1. Power strips from the ceiling that can be pulled down (JC)
         2. Do we invest in conduction charging? (AC)
      ii. Reliable and consistent access for ALL students (KA)
      iii. Wireless Network (TH)

1. Access point in every classroom (TH)   *# of Access points - one per Room.*
2. Should there be a site survey done for wireless? (JA)
   a. TH feels there is coverage but density is the issue.
   iv. Bandwidth (TH)
   v. Staff Training space & dedicated trainers (TH)
      1. Space for training/resources/staffed by instructional technology staff   *#Need Power Requirements definition*
   vi. Student space for repairs & training (TH)

@ Central - by Cafe. by main entry?
      1. Student HelpDesk: Where do we put this? Library? Does it need to be centrally located? Satellite help areas?
   vii. Additional IT staff (and space for them) to support 1:1 (TH)
   viii. Spaces

· one to one infrastructure

Eric - Business Dept @ said Kids run th ↓ But where
      1. Hub that is surrounded by rooms of varying size for different kinds of meetings (CM)
      2. Seating Options

· Dedicated Professional Development for teacher training.

· CAD · Woldlang · Eng/Arch · Graphics · Digital prodctn
         a. Round tables (JA)
         b. Multiple large tables that easily move (HS)
         c. Different styles of desks, tables
      3. White boards in every classroom (CM)
      4. Power
      5. Projector

· Need printing Kiosk like Naperville.
      6. Access points
      7. Emphasis should be placed on collaborative options

6 class labs 8 check out (3 in Libr
   ix. Power sources for bulletin boards so that we can use technology to display student work digitally

d. **Based on our solutions presented above, will we have the facilities needed to prepare students for college and careers?**

2698 Proj 2800 Act
   i. U of I CS program reports that students coming into their program are not currently as adept in working in teams, public speaking so place an emphasis on this when we look at facilities and space usage

1800 projection 1700 Actual
3. **Questions?**
   a.
   b. How will each suggestion we make deliver better services to faculty/staff/students? "So what?"
4. **Next meeting**
   a. Thursday, March 19 7:00AM at Central
   b. Agenda - Group ideas listed above into more concrete solutions which we can cost out and justify to steering committee.