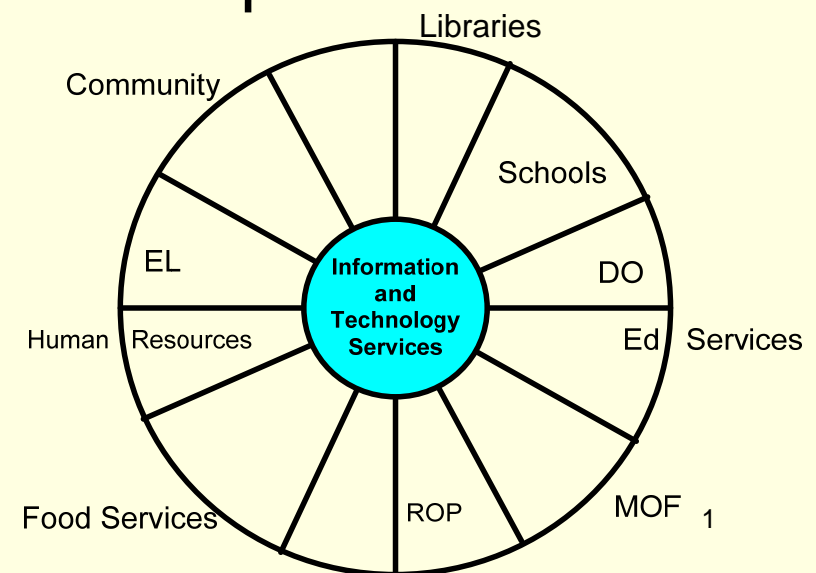


Technology Services



- Support Classroom Technology
 - Teacher, Student and Curriculum
- Support Administrative Technology
 - SIS, Fiscal, HR, and Communications
- Support and Provide Staff Development
- Technology Advocate
- Maintain Integrity and Security of District Data



Tonight's Presentations

- Focus on major projects and tasks
 - Future needs and funding
 - Next Steps

- Focus on first full year of Educational Technology Plan
 - Results and issues
 - Next Steps

Projects

- Replace the District's network infrastructure and backbone
- Replace the District's Student Information System. Implement and meet CalPads, CalPass and CalTides requirements (see slide 4 for definitions)
- Implement a K – 12 textbook and library book management system
- Provide efficient and effective internal communications systems
- Automate and reduce outmoded processes
- Utilize District's WEB and Internet presence to provide efficient and effective external communications
- 5 year technology replacement and upgrade cycle
- Microsoft upgrades and staff training

- **CSIS**

- The state launched CSIS in 1997 to establish an electronic data collection system that would make student and teacher level reporting more streamlined.

- **CalPADS**

- California longitudinal pupil achievement data, this system is based on data for individual students and educators and required by the federal government. In 2002 state lawmakers first authorized CalPADS when they enacted Senate Bill 1453 which approved the creation of a database to house scores from multiple state tests for every pupil over time as the pupil moved up in grades and changes schools.

- **CalTIDES**

- The state also plans to implement an educator level data system that can be linked to CalPADS this system, CalTIDES, will match teachers to students longitudinally in order to study the effect of teacher preparation and other programs on student achievement. The legislation authorized the development of this system with SB1614 passed in 2006

- **CalPASS**

- California Partnership for Achieving Student Success is a way to track student progress from kindergarten through attainment of a baccalaureate degree, as student's transition from one educational system to another.

Goal: Replace the District's network and backbone infrastructure to provide a faster and more reliable network

Backbone equipment (network switches)

Internet connection (faster and more reliable)

Digital curriculum (CDs and DVS of curriculum, labs, and virtual field trips)

\$461,652 per year pre discount level

\$115,413 per year post discounts (ongoing General Fund)

Additional one time costs from FF&E (furniture, fixtures and equipment) of \$25,000 to \$50,000

AP&T elected not to bid but is sending a flat rate proposal

Next Step

Approval of the RFP (request for proposal) and contract,

January 27, 2009

Goal: Replace the District's Student Information System to provide efficient State and Federal reporting

Current system will no longer be supported

Implement and meet CalPads CalPass and CalTides requirements.

- Unified reporting to the State and Federal Governments 3 times per year

- Weekly updates to and from the State (CSIS)

- Uniform and standard data throughout the District

- Coordination with HR for Teacher Data

- Coordination with Business Services for reporting and attendance data

- Coordinate with Assessment for testing and reporting

- Coordinate with Student Services for pupil enrolment and reporting

One time cost Approximately \$125,000

Ongoing costs Approximately \$22,000 per year (ongoing General Fund)

Cost reduction(SASI was \$39,000 plus consulting services)

Next step

- Authorization to post RFP (request for proposal) at February Board Meeting (Consent item)

Goal: Implement a K – 12 textbook and library book management system to reduce costs and provide efficient reporting

Book reporting and tracking
Streamline check out and check in
Multiple users / data input
Inventory control / cost reduction

Next Steps

Set up a task force to set goals and expectations
Select and evaluate products
Budget input for 2009
Pilot for 6 – 12 book checkout in August / September 2009

Goal: Provide efficient and effective communications systems Reduce overall telecommunications costs

Investigate convergent communications / VOIP (voice over internet)

Reduce leased lines and ongoing telephone expenses

Automate and reduce outmoded processes.

Sending faxes between schools

Making 1,000,000 copies per month

My presentations required over 300 pages of paper

Next Steps

Stabilize new network and infrastructure

Investigate networking existing telephone switches with Maintenance and Operations

Prioritize and request budget for 2010 – 2011 school year

Goal: Provide efficient and effective communications systems Utilizing the Districts WEB presence

Develop and upgrade the District WEB Site

- Put forms and documentation on WEB site

 - HR – applications

 - Fiscal – standard forms

 - Purchasing – lists of products and costs

 - District – Policies and Procedures

 - Technology – videos and self training

- Increase and enhance parent, community communications

 - Online feedback

 - SchoolLoop / grades and assignments

Next Steps

- Looking for additional ways to support and enhance the District's WEB Site

- Train additional staff members to support portions of the site.

- Request budget resources for 2009 – 2010 school year

Goal: Provide 5 to 7 year maintenance and replacement cycle

■ 400 computers (sw)	\$400,000
■ 3 servers (sw)	\$50,000
■ 100 switches	\$50,000
■ Spare parts and inventory	\$50,000
Per year	\$650,000

Next Steps

Work with Technology Steering Committee and community to develop the replacement cycle and identify criteria for replacement

Identify funding sources

solicit and appreciate, community, parent, and business support

Goal: Provide current software updates and provide staff development

- Upgrade to Windows 7
 - Microsoft Voucher money
- Upgrade to Office 2007
 - Microsoft Voucher money

- Training
 - DO / train-the-trainer
 - Adult Ed
 - Online Videos

The Ed-Tech Plan

- Student to computer ratio
 - Today 4.5 to 1
 - Next year 10 to 1
 - 4 year old computers do not count toward ratio
- Classroom technology replacement
 - Need consistent funding
 - Need community and business support

Grade B+

Exceptional Effort

Goal 3d.1: *Teachers* will use technology to improve instruction and to assist students in meeting state Language Arts, Social Studies, Math and Science content standards.

Objective 3d.1: By June 2010, on a daily basis 95% of all teachers will use technology for instruction and to assist students in meeting state content standards and district curricular goals.

Year 1 Benchmark: By June 2008, at least once a week 75% of all teachers will use technology for instruction and to assist students in meeting state content standards and district curricular goals.

Year 2 Benchmark: By June 2009, two-three times a week 85% of all teachers will use technology for instruction and to assist students at least once a week in meeting state content standards and district curricular goals.

Year Benchmark: By June 2010 on a daily basis 95% of all teachers will use technology for instruction and to assist students at least once a week in meeting state content standards and district curricular goals.

Grade B

Strong Effort – needs follow through

Goal 3d: To improve *student* learning through technology rich instruction

Objective 3d.2: Technology will be used to support teaching and learning on a daily basis so that 95% of all students will meet the grade level content standards in Language Arts, Social Studies, Math and Science by 2010.

Year 1 Benchmark: Technology will be used at least once a week to support teaching and learning so that 50% of all students will meet grade level Language Arts, Social Studies, Math and Science content standards by June 2008.

Year 2 Benchmark: Technology will be used two-three times a week to support teaching and learning so that 75% of all students will meet grade level Language Arts, Social Studies, Math and Science content standards by June 2009.

Year 3 Benchmark: Technology will be used to support teaching and learning on a daily basis so that 95% of all students will meet grade level Language Arts, Social Studies, Math and Science content standards by June 2010.

Grade D

Understands Concepts – needs commitment and follow through

Goal 3e: Students will acquire and use Information and Communications Technology literacy (ICT) skills needed in the 21st Century.

Objective 3e.1: By June 2010 75% of students acquire and use ICT as identified in the 21st Century Learning Skills to develop content knowledge and skills.

Year 1 Benchmark: By June 2008 25% of students will acquire and use ICT as identified in the 21st Century Learning Skills to develop content knowledge and skills.

Year 2 Benchmark: By June 2009 50% of students will acquire and use ICT as identified in the 21st Century Learning Skills to develop content knowledge and skills.

Year 3 Benchmark: By June 2010 75% of students will acquire and ICT as identified in the 21st Century Learning Skills to develop content knowledge and skills.

Next Steps

21st Century Skills are not fully understood by the District, nor are they a part of the curriculum.

Need to raise the awareness of global competition and the rank of US students and California Students

Grade C

Understands Concepts – needs commitment and follow through

Goal 3g: Teachers will utilize technology to support student record keeping, access student assessment data, and administer formative assessments in order to support their efforts to meet individual student academic needs.

Objective 3g.1: By June 2010, 80% of teachers at grades 4-12 will be proficient in using a district-supported grade program and report card program that supports their efforts to meet individual student needs.

Year 1 Benchmark 3g.1: By June 2008, the district will have chosen a grading program and report card program that interfaces with the student database.

Year 2 Benchmark 3g.1: By June 2009, 50% of teachers at grades 4-12 will be proficient in using the district supported grade and report card program(s) to support their efforts to meet individual student needs.

Year 3 Benchmark 3g.1: By June 2010, 80% of teachers at grades 4-12 will be proficient in using the district supported grade and report card program(s) to support their efforts to meet individual student needs.

Next Steps

Develop and implement District standards for information; grades and grading; and assessment.

Ongoing with new SIS and CalPads

Grade A+

Exceptional Effort and commitment

Goal 3h: List of clear goals and a specific implementation plan to utilize technology to make teachers and administrators more accessible to parents

Objective 3h.1: By June 2010, 80% of all schools will offer parents password protected, online access to their student's attendance, assignments and grades through a web-based interface for parents and students, such as SASIxp's *Parent Connect*

Year 1 Benchmark 3h.1: By June 2008, the district will have chosen a web-based interface for parent and students access that interfaces with the student database.

Year 1 Benchmark 3h.1: By January 2009, 50% of AUSD middle and high schools will offer parents password protected, online access to their student's attendance, discipline records, assignments and grades through a web-based system such as SASIxp's *Parent Connect*.

Year 2 Benchmark 3h.1: By June 2009, 50% of all school sites will be posting student attendance, assignments and grades online for parent access

Year 3 Benchmark 3h.1: By June 2010, 80% of all school sites will be posting student attendance, assignments and grades online for parent access

Grade B+

Exceptional Effort

Objective 3.h.2: by June, 2010, 95% of all district site administrators and teachers will provide parents with timely school / class information via newsletters, flyers sent via email, also posted on the Internet at the school web site

Year 1 Benchmark: By June 2008, 35% of site administrators and teachers will be proficient in using e-mail and electronic resources to send electronic information home to parents

Year 2 Benchmark: By June 2009, 70% of site administrators and teachers will be proficient in using e-mail and electronic resources to send electronic information home to parents

Year 3 Benchmark: By June 2010, 95% of site administrators and teachers will be proficient in using e-mail and electronic resources to send electronic information home to parents

Grade D

Strong Effort – needs follow through and focus

Goal 1 - District Goal for Hardware and Software

Goal 1: All AUSD students will have access to up-to-date computers and appropriate software to support achievement of the district's academic standards in the classroom, district curricular goals, and ultimately for lifelong learning and success in our Digital society.

Specific Measurable Objective by June 30, 2010

Objective: 1a By June 30, 2010 our average student to computer ratio will be 4.0 to 1 or better (by site)
(*based on CDE definition of up-to-date multimedia computer as - four year old or newer with multimedia capabilities).

Annual Benchmarks and Timeline:

Year 1: 6 students to 1 computer by June 2008

Year 2: 5 students to 1 computer by June 2009

Year 3: 4 students to 1 computer by June 2010.

Objective: 1b By June 30, 2010, all 18 schools in the district will have access to new and / or upgraded district approved multimedia / AV technology to support new Math, History/Social Science and Science curriculum based learning and intervention software and/or internet subscriptions. (AUSD is in the process of new adoptions in most curricular areas)

Annual Benchmarks and Timeline:

Year 1: 40% of classrooms by June 2008

Year 2: 60% of schools by December 2008.

Year 2: 80% of classrooms by June 2009.

Year 3: 100% of classrooms by June 2010.

Next Steps

Develop funding model

Prioritize classroom needs

Grade D +

Understands Concepts – needs commitment and follow through

Goal 2 - District Goal for Infrastructure

Goal 2: AUSD will continue to improve and maintain the infrastructure at district schools as needed.

Specific Measurable Objective by June 30, 2010

Objective: 2a Increase the number of local servers at the sites to meet site based storage requirements (May include servers with internal hard drives or USB attached drives)

Annual Benchmarks and Timeline:

Year 1: complete 4 schools by June 2008

Year 2: complete 3 more schools by June 2009.

Year 3: complete 3 more schools by June 2010.

Objective: 2b By June 2010, re engineer district network to provide reliable communications with redundancy and faster Internet connection

Annual Benchmarks and Timeline:

Year 1: by June 2008. Split the District's one large ring (unidirectional fiber) into two smaller rings

Year 2: by June 2009. upgrade the Districts Internet connection from 10 meg to 25 meg ATM

Year 3: by June 2010. Evaluate and select network provider (existing network agreement will expire)

Next Steps

To be completed with the new Network design and implementation

Grade C-

Strong Effort – needs follow through

Goal 3 - District Goal for Technical Support

Goal 3: All AUSD school sites will have access to timely district or site technical support to so teachers and students have access to technology needed to support standards in the classroom, district curricular goals, and ultimately for lifelong learning and success in our Digital society.

Specific Measurable Objective by June 30, 2010

Objective: 3a By June 2008, the district will have an standardized Information Technology Services (ITS) work order process and tracking system in place.

Annual Benchmarks and Timeline:

Year 1: 100% by June 2008.

Year 2-3: Revise and maintain as needed

Objective: 3b By June 2008, the district will have new / upgraded computer, software, network, and security standards in place for district supported technology.(i.e. Virus protection, DeepFreeze software, web content filtering software, Spam Blocking)

Annual Benchmarks and Timeline:

Year 1: 50% by June 2008.

Year 2: 100% by June 2009

Objective: 3c By June 2010, the district will have adjusted the staffing levels to a ratio of one computer tech to 750 computers (see staffing proposal in 5.a.)

Year 1: by June 2008. Increase Technology Services staff from 5 to 7 (2 computer techs)

Year 2: by June 2009. Increase Technology Services staff from 7 to 8 (3 computer techs)

Year 3: by June 2010. Increase Technology Services staff from 8 to 10 (3 computer techs)

Next Steps

Develop Staffing model and funding sources

Technology Services



■ *Questions*