

2005-2008 Technology Plan

GOAL 1:

Teachers and students will consistently and appropriately utilize technology as a tool integrated into the curriculum to create a technology learning environment that will increase student academic achievement, expand technology literacy, improve instructional accountability, develop innovative technologies and implement assessments.

OBJECTIVE 1.1:

100% of teachers will be accountable for the appropriate integration of technology in all subject areas to increase academic achievement while providing an innovative environment to engage learners and create authentic learning experience.

STRATEGIES:

- Research the purchase of an online curriculum management system
- Purchase and implement curriculum management software
- Continue integration of technology strategies into Gifted and Talented certification training
- Monthly technology integration meetings with Coordinators and Facilitators
- Develop and implement a Technology Integration Curriculum committee to vertically align the Technology Applications TEKS
- Provide teachers with necessary software and technology supplies to facilitate integration

OBJECTIVE 1.2:

100% of all stakeholders in the Keller ISD community will have access to current and innovative technology and any additional resources needed to provide a technology infused environment.

STRATEGIES:

- Provide adaptive equipment and assistive devices for special needs students
- Provide all campuses with access to distance learning equipment
- Extend hours of computer labs and libraries at specific campuses to provide parental access
- Provide courses to parents after school hours to improve information literacy
- Maintain district technology hardware and software standards
- Create and maintain a list of Instructional Technology resources
- Provide employees home access to network services and files
- Develop a process and procedure for software approval
- Purchase probes and interfaces to meet the requirement of the science curriculum

OBJECTIVE 1.3:

100% of all of students will demonstrate appropriate levels of technology literacy in all content areas based on the Technology Application TEKS.

STRATEGIES:

- Each high school will offer four Technology Application courses
- Explore the possibility of creating Technology Application Benchmark assessments
- Implement keyboarding into the elementary curriculum

GOAL 2:

KISD will provide on-going, accessible professional development for all employees to promote technological literacy while providing strategies for technology integration to ensure student academic success.

OBJECTIVE 2.1:

100% of KISD employees will increase technology literacy skills based on Technology Application TEKS and Teacher SBEC standards.

STRATEGIES:

- Provide a list of the SBEC technology standards on the Keller ISD portal
- Provide training for the resources on the district approved Instructional Technology Resource list
- Create and administer a 3 level technology proficiency assessment program
- Develop courses to provide opportunities to master the proficiency tests
- Provide incentives for campuses in which 100% of teachers have mastered technology proficiency tests
- Develop and implement a training program for all employees new to Keller ISD
- Provide ongoing training and support for District software programs
- Develop and implement a Web Academy for teachers and campus representatives
- Develop and implement a Distance Learning Academy to encourage this instructional strategy

OBJECTIVE 2.2:

100% of teachers will have the opportunities to explore innovative teaching strategies by attending conferences, participating in online learning communities and mentoring other teachers.

STRATEGIES:

- Provide opportunities to attend local and state technology conferences
- Implement a technology component into the current KISD Mentoring Program

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- Provide Curriculum Facilitators for every campus
- Create a KISD Technology Training e-newsletter
- Maintain the bi-monthly technology training program, Lunch and Learn
- All Title II Part D funds will be applied to the Region XI cooperative for staff development

OBJECTIVE 2.3:

100% of employees will have access to professional development through a variety of innovative delivery strategies.

STRATEGIES:

- Develop content for web based professional development courses to be delivered through Avatar
- Offer graduate level courses through Distance Learning Video Conferencing
- Develop training materials and resources that can be posted on the KISD portal
- Continue current technology training program of Megabytes and Minibytes
- Add two additional Instructional Technology Professional Development staff

GOAL 3:

All KISD administrators will provide effective leadership in integrating technology into the curriculum and ensure technology literacy for all KISD stakeholders.

OBJECTIVE 3.1:

KISD will have a comprehensive Technology Plan that establishes clear goals and strategies for integrating technology into the curriculum to ensure student academic achievement

STRATEGIES:

- A district technology advisory committee will meet quarterly to review, discuss, and revise the KISD Three Year District Technology Plan
- All KISD campuses will incorporate technology into their campus plan
- Librarians will continue to annually update the KISD Library/Media services manual
- KISD will continue to maintain an Acceptable Use Policy (AUP) for all employees and students

OBJECTIVE 3.2:

100% of all campuses and departments will participate in formative evaluations, needs assessments, and data driven decision making that allow for monitoring progress toward specific goals.

STRATEGIES:

- Allow participation in on-line survey twice a year to evaluate technology in the KISD
- 100% of KISD teachers and campuses will complete the Texas STaR Chart assessment
- Annual evaluation of all components of the technology department
- Develop and implement a Technology Proficiency Skill program for all employees
- The district technology plan will be evaluated at least twice yearly for progress
- 100% of campuses will analyze AEIS-IT data to improve student achievement
- PEIMS submission data will be analyzed twice a year
- Technology integration will be evaluated for correlation to state and national programs.

OBJECTIVE 3.3:

100% of KISD parents and community members will be included in technology initiatives, communications, and planning.

STRATEGIES:

- Adult literacy/GED programs will be offered
- The Nova Net software/curriculum will be expanded to Middle Schools
- 33% of the KISD Technology Advisory Committee will be comprised of parents, community members and business partners
- The KISD Education Portal will be expanded from Fossil Hill Middle School to include all campuses in the Fossil Ridge feeder pattern.
- District, campus, and teacher web pages will be standardized and updated regularly
- All KISD libraries will migrate to a Union Catalog utilizing the Alexandria Circulation software
- Expand School Messenger (parent notification systems) to all KISD campuses

OBJECTIVE 3.4:

100% of KISD campuses and District departments will use administrative and student management technology to improve efficiency and security.

STRATEGIES:

- Pilot "GradeSpeed" networked grade book software in the Fossil Ridge feeder pattern
- 100% of teachers in grades K-2 will use Palm Pilots to administer the TPRI
- 100% of KISD campuses will use Hayes networked textbook "TIPS"

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- Campus librarians will use Alexandria library automation software
- Content Mastery teachers will use Source Pro software to monitor students' CM time
- Continue implementation of door access and security cameras at all secondary school campuses
- All special education staff will be trained and use the Special Education Automation System (SEAS)
- 100% of KISD facilities will use networked time keeping clocks
- Pilot biometrics (thumb print) for time keeping of non-exempt employees
- Expand biometrics time keeping technology to all KISD facilities
- The district will continue the use E-School, phone-in substitute calling/tracking system
- The district will research and pilot Point of Sale (POS) systems for food services

OBJECTIVE 3.5:

The district will provide necessary resources and funding to support the goals, objectives, and strategies in the KISD 3-Year Technology Plan.

STRATEGIES:

- Technology funding may be obtained from yearly district budgets (Maintenance and Operations), state technology allotment (\$30 per student), Title II Part D funds, short term financing, federal programs, grants, donations, foundations, and any other Board approved local funding
- KISD will research alternative funding methods
- All KISD administrators will work collaboratively to seek alternative technology funding and resources from business partners, community organizations, grants, and other philanthropic entities
- Yearly maintenance fees for all district approved software will be budgeted from district technology funds

OBJECTIVE 3.6:

The District will attract, train, and retain qualified personnel to provide technology support at the campus and district level.

STRATEGIES:

- The District will employ campus technicians to provide technical support at the campus level
- The District will attract, train, and retain qualified district level employees

GOAL 4:

KISD will continue to maintain and increase the capability and stability of the WAN, Internet connectivity, use/computer ratio, while exploring emerging and more cost effective, innovative technologies.

OBJECTIVE 4.1:

100% of KISD facilities will be equipped to meet the Technology Standards as established in the 2005-2008 District Technology Plan

STRATEGIES:

- KISD Classroom Technology Standards will be developed and reviewed annually
- KISD will maintain support and maintenance for District network systems
- KISD will research emerging technologies for streaming digital content to classrooms
- KISD will procure digital video streaming technology equipment

OBJECTIVE 4.2:

KISD will maintain support of all campus and district telecommunications systems, networked applications, Internet connectivity and distance learning systems to ensure reliable communication and requirements of the KISD curriculum.

STRATEGIES:

- KISD will develop and implement a District Standard for Wireless Telecommunications equipment
- KISD will provide basic and long distance phone service to all district facilities
- KISD will maintain T-1 connectivity to Region XI Service Center for Distance Learning
- KISD will procure twenty-three IP Telephony systems for campuses with stand-alone key systems
- KISD will increase the Internet bandwidth from 12 MG to 24MG

OBJECTIVE 4.3:

KISD will evaluate and replace existing administrative computers, servers, and associated equipment in use longer than five years to ensure reliability for the end user.

- KISD will replace servers running instructional software that have been in use longer than five years
- KISD will replace administrative computers in the district in use longer than five years
- KISD will evaluate Disaster Recovery systems to replace the current tape library system