



Texas Education Agency

2012 Technology Plan Approval Certificate

The Texas Education Agency is certified by the Schools and Libraries Division (SLD) to approve technology plans for participation in the Schools and Libraries Universal Service Program.

KLEIN ISD (101915)

has a technology plan that has met the standards and criteria outlined by the SLD. This approval is effective for 3 years.

This plan was approved on March 19, 2013.

This technology plan covers the period starting on July 1, 2012 ending on June 30, 2015.

A handwritten signature in blue ink, appearing to read "Anita Givens".

Anita Givens
Associate Commissioner
Standards and Programs



KLEIN ISD Technology Plan for E-Rate Year 15 2012 - 2015

DR. JIM CAIN
SUPERINTENDENT

DISTRICT PROFILE

ESC Region: 4
City, State Zip: KLEIN, TX 773793299
Phone: (832) 249-4000
Fax: (832) 249-4055

Number of Campuses: 44
Total Student Enrollment: 46887
District Size: 25,000 - 49,999
Percent Econ. Disadvantaged: 43.00%

Technology Expenditures: \$46,864,961.54
- Teaching and Learning Budget: \$7,333,811.54
- Educator Preparation and Development Budget: \$2,522,150.00
- Leadership, Administration and Support Budget: \$4,682,000.00
- Infrastructure for Technology Budget: \$32,327,000.00

PLAN INTRODUCTION

Plan Last Edited: 02/27/2013

Technology Planning Committee:

Adam Hile
Angie Anderson
Ann McMullan
Karen Fuller
Candace Threadgill
Bill Lakin
Judy Rimato
Lauren Smith
Stephanie Green
Susan Borg
Susan Green
Teresa Voltz
Terri Nation
Thomas Petrek
Valerie Wilson
Donald Chiu
Randall Davidson
Pete Davis
David Kersten
David Hackney
Craig Gentry
Teresa Anderson
Monte Mast
Mark Evans
Katie Murphy
Sherri Lathrop
Vicki James
Chad Greene
Craig Richardson
Philip Perez
Mary Rosenberg
Stephanie Edgar
Brett Williams
Pete Davis

EXECUTIVE SUMMARY

Klein ISD's mission is to embrace the future and provide engaging learning experiences and resources in a safe and nurturing environment. Our students will demonstrate academic achievement, productive citizenship, career development, a healthy lifestyle, and lifelong learning. The district's technology objective is to increase student and staff productivity by assuring that all students and staff meet the state standards for technology applications for students and teachers. The district technology plan aligns with the state's long range plan for technology, the national education technology plan, e-rate requirements, the Children's Internet Protection Act and the No Child Left Behind requirements.

The goal of all technology expansion is enhanced teaching and learning. Students, teachers and other staff members use technology to increase the efficiency and quality of their work. The curriculum content in terms of knowledge and skills will remain the program target. Learning about technology is viewed only as an enabling activity that allows the individual to match the appropriate technology with the task at hand. Producing new software or hardware technologies, though important, remains a refined ability for a relatively small number of students when compared with the technology user group.

Time to learn new skills related to technology comes from a systematic abandonment of skills, tasks, and practices that are of lesser value to the individual or institution. Students spend less time on low utility activities to create time for high utility abilities related to technology. Staff finds technology filling more of the current staff development time as hardware becomes more accessible and their use of technology increases. Curriculum resources continue to expand from printed text and video to include other electronic, real-time resources. Group problem-solving and up-to-the-minute information characterize the classroom environment.

As with any systemic change, community understanding and acceptance of the goal for student access to technology in Klein ISD is paramount. Community ideas about goals for technology in the schools are sought in a number of ways. Existing campus and district-wide groups like the District Instructional Development Council, Key Communicators, Long Range Technology Planning Committee and Campus Improvement Councils offer suggestions for the use of technology they see as most important. Information is also sought from volunteers in schools, booster clubs, PTOs and various business partnerships including the Northwest Chamber of Commerce and Career and Technology Education student placements.

Access to technology for the community is provided through expansion of summer and extended hour library program to include adult access to computers and Internet access. Technology training sessions for parents and adult Klein ISD residents are provided. The district and campus websites contain news and information for the community. We e-mail a daily electronic newsletter to community subscribers. The online community forum allows the community to "chat" about timely topics. Electronic mail for KISD staff is provided as another means of communication among students, teachers, and parents with Internet access.

Changes in student access to technology must address the issues of hardware, software, connectivity and training. If technology hardware goals are thought of as short-term (1 year), mid-term (3 years), and long-term (5 years) the detailed emphasis will be on the near goals only. Moderate and distant goals will be developed in detail closer to implementation based on current technology.

All campuses are fully wired for multimedia, Internet and other electronic access. All campuses are currently configured for wireless access to support the district's one-to-one student PC tablet initiatives. Additional instructional software for classroom and computer lab use coincides with curriculum modifications and state adopted teaching resources. E-mail is used for staff and student groups to support group problem solving. For example, student groups such as newspaper production and student council can share information through e-mail access both within the campus and district and with the larger Internet educational community. Data resources are available through the library automation system in the classroom since those enhancements benefit all district students.

Establishment of hardware standards was necessary to provide direction for both district and campus resources in providing a level performance expectation for students district-wide. District standards for acceptance of hardware donations ensure sound decisions with regard to the true cost and utility of donated equipment. A common hardware configuration facilitates software selection and staff training. Identification of standard software programs facilitates electronic sharing and staff training.

In Klein, we see every education program as a technology opportunity. Ongoing and systemic planning for technology is an inherent part of any formal plan. Evaluation is also an inherent part of any formal plan and an evaluation component is included in every technology program. Together, the Klein community is working to prepare our students for their future.

NEEDS ASSESSMENT

Assessment Process: A comprehensive needs assessment utilizing surveys, interviews, action teams, long range planning workshops, inventories and the Texas Campus STaR Chart was conducted by the district to analyze the current status of technology in the district and determine future needs. Additionally the district hired an outside technology consulting firm to do a comprehensive study and develop a blueprint for district technology initiatives. Items analyzed

included: infrastructure, hardware, software, instructional programs, curriculum, student achievement, technology resources, professional development, and technical support.

Existing Conditions:

The strength of the Klein technology program is the professional development provided to our teachers and staff. This program is designed to address the district technology plan, the state's long range plan for technology, and the STaR chart as well as e-rate requirements and the No Child Left Behind requirements. Our technology classes are available from the district, the campus, online, and we offer many resources and tutorials. We established a technology baseline standard for all K-12 classrooms for equity purposes. We believe we must prepare students for their future and not our past.

Our teacher to computer ratio is 1:1 and the student ratio is 2:1. We have standard software loads for administration, secondary and elementary computers. Learning.com's EasyTech online curriculum is provided by TEA to every student K - 8 for Technology Applications. We use CompassLearning Odyssey, Envision Math, Waterford, iStation, Read 180, Achieve 3000, Education 2020 for credit recovery and many other computer assisted instruction programs for specialized populations of our students. Each classroom is also equipped with eInstruction Classroom Performance Systems for assessment and data driven instruction.

The district infrastructure consists of a 10 gigabit fully redundant fiber infrastructure, with gigabit connectivity between campuses and 100 MB to the desktop. Voice communication runs over the fiber and every teacher has either a VoIP desktop or wireless IP telephone. We utilize centralized management services for security and automation. The meeting rooms and the Board Room at the central administration offices have wireless connectivity capability. We have 39 campuses who are wired with 802.11 a/b/g for VoIP and data. We run Exchange e-mail service for employees that is scanned for viruses and SPAM prior to entering the network. We have Lightspeed filtering for the Internet to maintain CIPA compliance. Many services are available online through the district Intranet and forms have been automated. The Board of Trustees agenda and supporting documents are online. Our Storage Area Network is 70 TB and each staff member is allocated 500 Mb of space. The major applications for Human Resources, Finance and Student Information Services are not interoperable; however, we have contracted a solution that creates a meta directory of staff and students as they enter the district. We have a HelpDesk in place for hardware and software needs.

Technology Needs:

We need our major applications and databases to be interoperable. We need to secure funding to be able to reach the three year replacement cycle and 1:1 student computing. We need to address distance learning and streaming video. Security must be addressed annually. We will continue to allocate at least 30% of the technology allotment to technology professional development. The emphasis on professional development is shifting from how to use applications to how to truly transform teaching and learning through technology.

With the significant increase in the number of computers and applications across the district there is a major need for additional technical and instructional technology support staff, both at the district and campus levels. The ability to implement and support emerging technologies - particularly Web 2.0 and Internet 2 - is also critical.

Distance Learning capabilities, including video conferencing, video streaming and online courses are needed to facilitate anywhere anytime learning. The district will need additional staff to help facilitate and support the technology as well as the staff development that accompanies these types of technologies.

As we implement our 1:1 we must also find a way to assure that all students have Internet access at home.

The need for a realistic replacement cycle is also a high priority.

GOALS, OBJECTIVES, AND STRATEGIES

Goal 1: Implement teaching and learning strategies that incorporate 21st century tools, context and content.

Objective 1.1: Increase all students' academic performance across the curriculum by using appropriate technology tools.

Budget for this objective: \$2,354,900.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 05 06 07 11 12

Strategy 1.1.1: Use local and state assessment data to identify student academic needs and to develop appropriate instructional strategies.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Instruction and Curriculum, Associate Superintendent of Curriculum/Student

Services, Campus Principals, Teachers

Evidence: Student success on statewide accountability testing and overall academic achievement.

Comments:

LRPT Correlates: EP03, LAS08, TL07

Strategy 1.1.2: Emphasize 21st century learning skills which include but not limited to: creativity, innovation, communication, collaboration, critical thinking, research and information fluency, technology concepts and operations and digital citizenship.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent for Curriculum/Student Services Executive Director of Curriculum Executive Director of Educational Technology Campus Principal Teachers

Evidence: Student success on statewide accountability testing and overall academic success. Student products that reflect the use of 21st century tools. Reflected in the campus STaR charts.

Comments:

LRPT Correlates: EP03, LAS08, TL03, TL07, TL12

Strategy 1.1.3: Identify critical instructional needs and provide solutions that include immediate learning interventions, credit recovery, remediation for at-risk students, through distance learning and/or computer assisted instructional programs.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Curriculum/Student Services, Executive Director of Accountability and School Improvement, Executive Director of Student Services, Executive Director of Curriculum, Executive Director of Educational Technology, Chief Technology Officer, Director of Information Technology, Campus Principals

Evidence: Student success on statewide accountability testing and overall academic achievement. Progress noted on reports provided by diagnostic, prescriptive software applications.

Comments:

LRPT Correlates: EP03, LAS08, LAS15, TL07, TL12, TL13

Strategy 1.1.4: Provide ready access to appropriate assistive and emerging technologies to assure the academic success of all special populations.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Student Support Services, Executive Director of Educational Technology

Evidence: Inventory of assistive devices and programs. Technician assigned to support devices and programs.

Comments:

LRPT Correlates: EP03, LAS08, TL08, TL09

Strategy 1.1.5: Develop and administer benchmark assessments in line with state mandated curriculum. Periodic benchmark assessments are given in all STAAR tested subjects.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Curriculum and Instruction Executive Director of Educational Technology

Evidence: Benchmark assessments are implemented.

Comments: Technology Literacy Assessment is given at grades four and seven.

LRPT Correlates: LAS05, TL04, TL05, TL07, TL13

Strategy 1.1.6: All Klein ISD teachers will use district provided digital resources for communication with parents, students, and the community.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction and Student Services Executive Director of Educational Technology Campus Principals Teachers

Evidence: Web pages created and maintained by all teachers.

Comments: The district will provide all teachers with training, support, and a template for their web pages

LRPT Correlates: I03, I08, I09, LAS09, LAS11, TL07, TL15, TL16

Objective 1.2: District and campus planning will focus on the use of technology to improve all teaching and learning and will address teaching and student mastery of the Technology Applications TEKS.

Budget for this objective: \$0.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02
NCLB Correlates: 01 02 04a 07 08 09 11

Strategy 1.2.1: Technology implementations for improved teaching and learning and student mastery of the TATEKS will be clearly articulated in district and campus improvement plans.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Curriculum/Student Service, Executive Director of Curriculum, Executive Director for Educational Technology, Principals

Evidence: Identification within district strategic and campus improvement plans.

Comments: The correlates for the Texas LRPT are embedded in the templates for the district strategic plan and the campus improvement plans.

LRPT Correlates: LAS01, LAS02, LAS03, LAS05, LAS07, LAS08, TL06

Strategy 1.2.2: Engage the community in district and campus planning that includes technology best practices for teaching and learning and assuring success for all students.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent for Curriculum, Instruction, and Student Services, Chief Technology Officer, Executive Director of Curriculum, Executive Director of Educational Technology, Campus Principals

Evidence: Listing of community members' names in district and campus improvement plans.

Comments: Community members participate in planning via the key communicators group - in community relations department- and through participation in the district instructional development council.

LRPT Correlates: LAS04, LAS07, LAS08

Objective 1.3: All students will know how to use 21st century tools by mastering and applying the Technology Applications TEKS.

Budget for this objective: \$1,161,259.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 04a 07 09 11 12

Strategy 1.3.1: Embed the K-8 Technology Applications TEKS (TATEKS) into the district's aligned curriculum for English/language arts, reading, mathematics, science and social studies.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Curriculum, Instruction, and Student Services, Executive Director of Curriculum and Instruction, Executive Director of Educational Technology, Program Coordinator for Technology, Applications Curriculum Instructional Officers

Evidence: The KISD aligned curriculum includes the K-8 Technology Applications TEKS as embedded components of the core content subject areas. Lesson plans reflect the inclusion of the TATEKS. Student mastery of the TATEKS is evidenced by student products and is documented on the report card. Additionally all elementary and intermediate school students participate in an online technology literacy assessment at the beginning and end of fourth and seventh grade. The Campus STaR Charts reflect the extent to which K-8 students meet technology proficiencies.

Comments: The district uses EasyTech from learning.com as the state adopted instruction material for teaching the TATEKS.

LRPT Correlates: LAS15, TL01, TL03

Strategy 1.3.2: Embed the Technology Applications TEKS (TATEKS) into the district's aligned curriculum for fine arts, physical education/health, and languages other than English where appropriate.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Curriculum/Student Services Executive Director of Educational Technology Director of Fine Arts Athletic Director Associate Director, Languages Other than English

Evidence: The KISD aligned curriculum includes the Technology Applications TEKS as embedded components of the fine arts, physical education/health, and languages other than English subject areas. Lesson plans reflect the inclusion of the TATEKS. Student mastery of the TATEKS is evidenced by student products. The Campus STaR Charts reflect the extent to which students meet technology proficiencies.

Comments:

LRPT Correlates: TL09

Strategy 1.3.3: Administer and monitor biannual assessments in line with federally mandated technology literacy requirements and the state mandated Technology Applications TEKS for grades 5 and 8.

State: Revised
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Associate Superintendent Instruction and Student Services, Executive Director of Curriculum, Executive Director of Educational Technology, Principals
Evidence: Student mastery on the grades 2, 5, and 8 TATEKS assessments.
Comments:
LRPT Correlates: TL04

Strategy 1.3.4: Investigate and deploy strategies that will enable classroom teachers to prepare for the administration of the end-of-course testing and other state assessments.

State: Original
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Associate Superintendent Instruction, Student Services, Executive Director Curriculum & Instruction, Director of Testing
Evidence: Administration of online end-of-course and TAKS assessments.
Comments: Pending state delivery of online end-of-course and state assessments.
LRPT Correlates: TL08, TL09, TL13

Objective 1.4: Develop, enhance and adapt 21st century skills for college and career readiness through project-based experience and real world applications.

Budget for this objective: \$90,000.00
LRPT Category: Teaching and Learning
E-Rate Correlates: ER01
NCLB Correlates: 01 02 03 04a 07 08

Strategy 1.4.1: Students will use a variety of technology tools for career investigation and exploration (through CTE and Technology Applications Courses). Students will have the opportunity to explore in-depth highly technical, specialized offerings such as robotics, biomedicine and virtual reality.

State: Revised
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Associate Superintendent of Instruction and Student Services, Executive Director of Curriculum, Executive Director of Educational Technology, Director of Career and Technology Education, Campus Principals
Evidence: Student success on statewide accountability testing and overall academic achievement.
Comments: Students are given a career exploration test at intermediate and high school to guide them in developing their individual graduation plans.
LRPT Correlates: TL02, TL03

Strategy 1.4.2: Research and adopt advanced tools to manage the distribution of laptop computers and devices and their demand for access to the wireless network, particularly with respect to the 1:1 initiatives.

State: Revised
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Chief Technology Officer, Director Information Technology
Evidence: Inventory database with laptop distribution information.
Comments:
LRPT Correlates: I04

Objective 1.5: All students will appropriately use technology tools to master 21st century content: global awareness; financial, economic and business literacy; and civic literacy.

Budget for this objective: \$400,000.00
LRPT Category: Teaching and Learning
E-Rate Correlates: ER01
NCLB Correlates: 01 07 08

Strategy 1.5.1: Research and adopt advanced tools to manage the distribution of laptop computers and devices and their demand for access to the wireless network, particularly with respect to the 1:1 initiatives.

State: Revised
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Associate Superintendent of Instruction and Student Services, Executive Director of Curriculum, Executive Director of Educational Technology, Campus Principals
Evidence: The impact of global awareness through the use of 21st century skills and tools is evidenced by student products and teacher lesson plans.
Comments:

LRPT Correlates: TL13, TL16

Strategy 1.5.2: Learners will use 21st century technology skills and tools to understand financial, economic and business literacy. Graduates will then be able to better manage their personal finances, contribute more productively within an organizational setting and continually adapt to our nation's evolving economic and business environment.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Instruction and Student Services Executive Director of Student Services Executive Director of Curriculum Executive Director of Educational Technology Campus Principals Teachers

Evidence: Student success on statewide accountability testing overall academic achievement in related classes. Long term data on Klein graduates will show financial, economic and business literacy as they become productive and successful members of society.

Comments:

LRPT Correlates: TL09, TL13

Strategy 1.5.3: Learners will use 21st century technology literacy skills and tools to understand, analyze and intelligently participate in government and in the community, both globally and locally.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Instruction and Student Services Executive Director of Student Services Executive Director of Curriculum Instructional Officer for Social Studies Executive Director of Educational Technology Campus Principals

Evidence: Student success on statewide accountability testing and overall academic achievement in applicable classes. Student participation in civic processes.

Comments:

LRPT Correlates: TL12, TL13

Objective 1.6: Use distance learning to increase student and staff access to a variety of content areas including those for which the district does not have personnel resources available to provide.

Budget for this objective: \$27,500.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01

NCLB Correlates: 01 02 03 04a 07 08 12

Strategy 1.6.1: Implement distance learning options to meet the needs of the non-traditional student, including advanced placement and credit recovery course options.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Instruction and Student Services, Executive Director of Curriculum, Executive Director of Student Services, Executive Director of Educational Technology, Director of Information Technology, Principals

Evidence: Strategic plan for meeting the needs of the non-traditional students that includes distance learning as an option. Funding will be included in the plan.

Comments:

LRPT Correlates: I01, LAS10, TL09, TL12, TL13

Strategy 1.6.2: Provide TxVSN enrollment opportunities to high school and 8th grade students; support those students who register; and maintain budget and auditable tracking of revenue and expenditures.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Instruction and Student Services, Executive Director of Curriculum, Executive Director of Student Services, Executive Director of Educational Technology, Director of Information Technology, Principals

Evidence: The number of students who successfully complete TxVSN online courses.

Comments:

LRPT Correlates: I06, I09, TL08, TL09, TL12

Objective 1.7: The function of Klein ISD libraries includes activities associated with library media centers. The role of the librarian includes that of a media specialist and teacher of information literacy, as well as a campus based support person for instructional technology.

Budget for this objective: \$300,152.54

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 10 12

Strategy 1.7.1: Continue to identify and incorporate the new functionalities of the library and librarians into the district's strategic plan through the use of online resources to support information literacy and the TEKS. Access to online library resources is provided 24/7 as long as Internet access is available.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Instruction and Student Services Executive Director of Curriculum Executive Director of Educational Technology Associate Director for Library Services Program Coordinator for Library Services Principals Librarians

Evidence: Accountability measures built into the strategic plan that reflect the changing functionalities of the library and librarians.

Comments: School librarians will build information literacy among students, teachers and Klein families by demonstrating how research and technology skills are an integral part of the library program. They will use all resources (books, reference resources, access to databases, Internet connectivity, multimedia and information in all formats, electronic and print) to support information literacy and the TEKS. Klein's Summer Library Program and district library card initiatives with the Houston Public Library System and the Barbara Bush Branch of the Harris County Library System offer all Klein patrons access to district and area libraries resources, including evening ESL classes at the Barbara Bush library. The district's web-based union catalog, TLC offers Klein patrons remote access to a collection of 490,000 library books representing all reading levels and many languages. Additionally, there is a link from the online Parents Resources page that takes the community to various adult literacy providers.

LRPT Correlates: LAS01, LAS03, LAS09, TL10, TL11

Strategy 1.7.2: KISD librarians will deliver K-12 curriculum and instruction for Internet safety on every campus. Librarians will also provide strategies for Internet safety to parents and community members, when requested.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Director for Library Services, Program Coordinator for Library Services, Principals, Campus librarians

Evidence: Principals' schedule for Internet Safety instruction for students and parents.

Comments:

LRPT Correlates: TL14

Strategy 1.7.3: Librarians will provide campus based instructional technology support to classroom teachers including Web 2.0 and digital communication and collaboration.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director Educational Technology Associate Director, Library Services Program Coordinator, Library Services Campus Librarians Principals

Evidence: Campus Librarians participate in the district technology and learning team leader meetings and in the campus instructional technology study group sessions. The schedule of campus-based technology professional development sessions, taught by librarians.

Comments:

LRPT Correlates: EP01, EP04, EP09, LAS06, LAS10, TL05, TL16

Objective 1.8: Continue to deploy the Technology Baseline Standard Initiative (TBSI) to provide technology tools used for teaching and learning in all core content classrooms, K-12.

Budget for this objective: \$3,000,000.00

LRPT Category: Teaching and Learning

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 03 04a 04b 05 06 07 08 11 12

Strategy 1.8.1: Provide a suite of tools for K-12 classrooms to enhance teaching and learning for students and teachers.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer, Executive Director of Educational Technology, Director of Information Technology, Campus Principals, Teachers

Evidence: Equipment deployed in grades K-12 by end of July 2010. Professional development participation. Student products Lesson Plans The following items in place in the classrooms: Teacher workstation (already in place before TBSI equipment is ordered) 4 Student work stations Projector Document Camera Star Board (interactive white board) eInstruction Assessment System

Comments:

LRPT Correlates: TL08

Strategy 1.8.2: Continue to provide technology professional development tied to the deployment of the TBSI.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director Educational Technology Program Coordinator for Technology Applications

District Instructional Technology Teachers

Evidence: Registration and participation in TBSI classes.

Comments: All teachers are provided six hours of targeted professional development as a part of the TBSI.

LRPT Correlates: EP01, EP02, EP03, EP04, TL05, TL08

Goal 2: Implement and sustain a high quality, on-going, systemic, job-embedded professional development program for all staff.

Objective 2.1: All Klein teachers and administrators will meet or exceed the SBEC technology applications standards for beginning teachers.

Budget for this objective: \$2,432,150.00

LRPT Category: Educator Preparation and Development

E-Rate Correlates: ER02

NCLB Correlates: 04b 12

Strategy 2.1.1: All Klein teachers and administrators will participate in a technology professional development growth plan, as part of each campus improvement plan that is based on the results of the annual online technology competencies self-assessment and the Teacher STaR chart.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction Student Services Executive Director of Educational

Technology Campus Principals Teachers Librarians

Evidence: Trend data showing progress derived from the online technology competencies self-assessment.

Comments: Klein ISD technology competencies self-assessment is based on the goals and objectives of the SBEC technology competencies for all beginning teachers. It is the expectation in Klein ISD that all 4000+ teachers and staff, not just beginning teachers, will meet or exceed the competency levels delineated by SBEC. Once a teacher completes the annual technology competencies self-assessment, the principal and teachers together work out a plan for technology professional development for the entire faculty for the upcoming school year.

LRPT Correlates: EP01, EP02, EP03, EP04, EP05

Strategy 2.1.2: Professional development technology classes, aligned to the SBEC standards and the online technology competencies self-assessment, are provided to teachers/librarians year-round, free of charge.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Educational Technology Instructional Officer for Professional Development Program Coordinator for Technology Applications District Instructional Technology Teachers

Evidence: Enrollment numbers and evaluation of courses.

Comments: Structure and Number of Participants Impacted: At the district level, classes are held throughout the school year during after school hours, on Saturdays and during the summer months. Most classes are 3 hours in length, though some are 6 hours, (either during the summer months or on Saturdays, or spread over two nights). Two and three day workshops also occur during the summer months. Technology professional development topics are also included in the district's staff development days. At the campus level, classes are held before and after school. When teachers elect to use their planning periods for professional development the campus administration supports those requests. Because technology professional development in Klein ISD is relevant, targeted and aligned to standards and job descriptions, all 6000 employees in Klein ISD are impacted by the district's technology professional development program. Content and Methodology: The determination of what classes will be offered and how often they are repeated is based on the needs identified by the Klein ISD employees through the annual technology competencies self-assessment. All classes are hands-on with only one participant allowed at each computer station. Teachers and staff are taught specific software applications within the context of their job requirements. Many classes involve project-based learning so that the participants produce a product to be used in their job. For teachers the products are usually lessons to be used with their students. Teachers are encouraged and sometimes required to follow up professional development sessions by sharing model lessons and technology integration strategies with their colleagues. Providers: The district instructional technology teachers and campus teacher leaders are the primary providers of technology professional development in Klein ISD. As more and more teachers become proficient in teaching and learning with technology, they become not only teachers of students, but also teachers of teachers and other staff. The district employs a trainer of trainer model to build capacity at the local building level. Outside consultants are occasionally used, but that is not the most common practice. The use of online professional development and distance learning providers is a growing practice in Klein ISD. Accountability: Teachers are required to notate in their lesson plans the technology applications TEKS that are addressed in the lessons they teach. The ultimate accountability for teachers and students is the level of student mastery of the technology

applications TEKS. Teachers are required to report to their principals each six weeks the degree of student mastery of the Technology Applications TEKS. Students in grade K-8 receive a grade for technology applications on their report cards that is provided by their core content teachers.

LRPT Correlates: EP01, EP02, EP04, LAS06

Strategy 2.1.3: Technology professional development opportunities are available through a variety of distance learning options including synchronous and asynchronous classes in order to provide anytime/anywhere learning.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Educational Technology Program Coordinator for Technology Applications

Evidence: Number of teachers receiving CEU credits via distance learning as documented in the Professional Development Management system. Usage tracking in Atomic Learning online professional development for all staff.

Comments: Klein ISD provides teachers and administrators with access to online technology professional development training from a variety of vendors at no cost to the teachers or staff.

LRPT Correlates: EP01, EP02, EP03, EP08, LAS03

Strategy 2.1.4: Teachers/librarians and administrators appraisal instruments will be modified to include mastery of the SBEC technology applications standards for teachers and the ISTE technology standards for administrators.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent for School Administration Associate Superintendent for Human Resources Associate Superintendent for Instruction, Student Services Chief Officer for District Quality Executive Director of Educational Technology

Evidence: Revised appraisal instrument.

Comments:

LRPT Correlates: EP04, EP05, LAS12

Strategy 2.1.5: Provide leadership in the implementation of Project Share across the district.

State: Revised

Status: Planned

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Educational Technology, Chief Technology Officer, Instructional Officer for Professional Development, Director of Information Technology.

Evidence: Number of staff enrolled and participating in Project Share

Comments:

LRPT Correlates: EP06, EP08

Strategy 2.1.6: Provide training opportunities for non-certified staff members that will enable them to improve their technology skills.

State: Revised

Status: Planned

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Human Resources Associate Superintendent School Administration Director Information Technology

Evidence: Training scheduled; Participation lists

Comments:

LRPT Correlates: EP04

Strategy 2.1.7: Provide opportunities, incentives and support for teachers to develop model practices using technology.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction, Student Services, Executive Director of Curriculum, Executive Director of Educational Technology, Principals

Evidence: Teachers in place on every campus who model best practices for 1) integrating technology into core content areas and 2) ensuring student mastery of the TATEKS. Model lessons are showcased on campus and district-wide. The district also pays teachers to teach technology professional development classes at both the district and campus levels.

Comments:

LRPT Correlates: EP01, EP02, EP09, LAS06, LAS10, TL06

Strategy 2.1.8: Collaborate with the content specialists and with members of the curriculum department in ways to integrate technology into the curriculum.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director Educational Technology, District Instructional Technology Teachers
Instructional Officer for Professional Development, Executive Director Curriculum and Instruction
Evidence: Training timelines and New teacher orientation training.
Comments: Use of self assessments to make teacher aware of their skill level.
LRPT Correlates: EP01, EP07, EP08, EP09

Objective 2.2: Provide training in data examination and analysis through technology to support sound decision making.

Budget for this objective: \$0.00
LRPT Category: Educator Preparation and Development
E-Rate Correlates: ER02
NCLB Correlates: 01 02 11

Strategy 2.2.1: Provide extensive training on the use and analysis of student mastery of TEKS and other data sources and the resulting instructional implications.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction/Student Services, , Executive Director of Accountability and School Improvement, Executive Director of Student Information Services, Executive Director of Curriculum and Instruction, Director of Assessment and Accountability , Research, Evaluation and Demographics Officer, Instructional Specialists; Content Specialists, Principals

Evidence: Number of training sessions offered. Principal's observation of the use of instructional strategies that are tied to needs identified by the data. PLC meetings.

Comments: Klein ISD provides appropriate year round training in the access, use and interpretation of data. Principals participate in monthly meetings with district leadership staff that are focused on analysis of current assessment data. Teachers are taught not only how to access the data, but how to use the data to make instructional decisions and to design lessons that address the issues involved with differentiated instruction. The district is committed to providing each teacher with a classroom performance assessment system that allows teachers to instantly benchmark their students' learning and based on the feedback make immediate decisions about when to move forward with a lesson and when to re-teach. Training in the use of this technology is ongoing, both at the district and campus levels.

LRPT Correlates: EP02, EP03, EP09

Strategy 2.2.2: Survey and assess data and information reporting requirements throughout the district, provide templates for reports, automate the report-generation process, and centralize the reporting process.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction/Student Services, Executive Director of Accountability and School Improvement, Executive Director of Student Information Services, Executive Director of Curriculum and Instruction, Director of Assessment and Accountability, Research, Evaluation and Demographics Officer

Evidence: Data Reports easily accessible.

Comments:

LRPT Correlates: EP03

Objective 2.3: Provide professional development on integrating technology into teaching and learning for teachers and administrators.

Budget for this objective: \$90,000.00
LRPT Category: Educator Preparation and Development
E-Rate Correlates: ER02
NCLB Correlates: 01 04a 04b 07

Strategy 2.3.1: Include strategies for integrating technology into teaching and learning in all professional development for teachers, librarians and administrators.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Instructional Officer for Professional Development, Executive Director of Educational Technology , District Instructional Technology Teachers, Principals

Evidence: Documented materials from the training sessions. Evidence of an understanding of technology uses in teaching and administrative functions. Teacher walkthrough reports from principals. Lesson Plans

Comments: Klein ISD is renowned for its professional development approach that always prepares teachers to teach technology skills as an embedded component of core-content instruction. In grades K-8 the technology applications TEKS are taught by regular classroom teachers within the content of the core curriculum subject areas. In Klein ISD it is the expectation that all teachers must be technology specialists and for that reason does not hire teachers to serve as instructional technologists at the campus level. At the high school level teachers of the core-content subjects are encouraged to make maximum use of the student mastery of the K-8 technology applications TEKS by integrating those skills into student lessons and products. Professional development that is targeted to those expectations is ongoing,

systemic and job embedded. The district instructional technology teachers, instructional specialists and other teacher leaders provide professional development to all teachers, year-round. Teachers learn from each other by observing model lessons in other classrooms or by having a district instructional technology teacher or instructional specialists teach their students while the classroom teacher either observes, or co-teaches. The teachers in Klein ISD continue to receive ongoing training on the Technology Applications TEKS. Job-embedded professional development in this area is part of the teaching and learning culture in Klein ISD.

LRPT Correlates: EP01, EP02, EP04, LAS03, LAS10, TL01, TL06

Strategy 2.3.2: Include technology training and best practices in the new teacher and new administrator academies.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Curriculum/Student Service Executive Director of Curriculum Executive Director of Educational Technology Director of Human Resources

Evidence: Documented materials from the training sessions. Evidence of an understanding of technology uses in teaching and administrative functions.

Comments: Teachers, who are new to the profession, and/or simply new to Klein ISD, are required to participate in a 4-day induction program at the beginning of the school year. Technology professional development is included in the 4-day new teacher induction program. Model lessons of best practices regarding true technology integration are shared with the teachers at this required event. First year teachers continue their training by participating in monthly meetings as part of their first year of teaching. Experienced teachers who are new to Klein ISD are also provided with additional follow up events throughout the school year. Newly appointed administrators in Klein ISD participate in pre-administrator workshops and well as the annual Klein Administrative Academy, held at the beginning of each school year. The use of technology as both an instructional and administrative tool is included in the curriculum of the Klein Administrative Academy. Klein ISD also offers professional development workshops exclusively for administrators, geared to their specific needs.

LRPT Correlates: EP01, EP03, EP04, EP08, EP09, LAS03, LAS06, LAS10, LAS12

Strategy 2.3.3: The district instructional technology teachers will conduct campus study group sessions to address integration of the Technology Applications TEKS into teaching and learning.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Educational Technology, District Instructional Technology Teachers, Principals

Evidence: Attendance records. Change in instructional strategies as a result of attendance. Agendas and materials posted online.

Comments: Based on the results of the Klein ISD technology competencies self assessment and other needs as they arise, the instructional technology teachers prepare content to be delivered to every campus via the campus study group sessions. The content is posted on the district's Web page so that teachers who may have to miss the meeting will access to it and those who attended can go back and re-use it. The Technology and Learning Team Leaders on each campus are paid to attend the campus study group sessions, with the expectation that they will share what is learned with the teachers on their grade level, departmental teams. All teachers and administrators are welcome and encouraged to attend the one-hour campus study group sessions.

LRPT Correlates: EP01, EP02, EP03, EP05, EP08, EP09, TL01, TL02, TL03, TL06, TL11

Strategy 2.3.4: Encourage teacher/librarian participation at education technology professional conferences so that they can share current best practices with peers.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Educational Technology

Evidence: Increased attendance at education technology and professional conferences.

Comments: All teachers, librarians and administrators are encouraged to present and attend local, state and national conferences to share their best practices and to learn about other best practices and bring that information back to the district. The district provides scholarships to teachers, librarians and administrators for this purpose, using both Title II D funds, and Technology Allotment funds.

LRPT Correlates: EP06

Goal 3: Increase student and staff productivity through the use of technology.

Objective 3.1: We will use technology to increase communication among stakeholders.

Budget for this objective: \$592,000.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 03 09

Strategy 3.1.1: Continue to provide online access to district information via district, campus, and teacher websites and

web portal, as well as two-way communication via email, listservs, and electronic forums and social media (Facebook, Twitter and You Tube).

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer, Executive Director of Educational Technology, Assistant Superintendent of Community Relations, Executive Director of Curriculum, Director of Information Technology

Evidence: Trend data showing the numbers of community members enrolled in listservs and online forums. Number of hits on the websites.

Comments:

LRPT Correlates: I03, I08, LAS11, TL15

Strategy 3.1.2: Increase utilization of the telecommunications system to provide "just in time" and emergency messages to parents and the community.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Assistant Superintendent of Community Relations, Assistant Superintendent of Facilities, Chief Technology Officer, Campus Principals, Associate Superintendent for School Administration

Evidence: Increased numbers of messages created.

Comments:

LRPT Correlates: I03, I08, LAS09, TL15

Objective 3.2: Assure that all district systems and databases are interoperable.

Budget for this objective: \$375,000.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates:

NCLB Correlates: 05 12

Strategy 3.2.1: Continue to link data management systems that allow all district systems and databases to seamlessly interact with each other, create needed policies and procedures, and hire a personnel unit to oversee this system.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director of Special Funding and School Improvement Chief Technology Officer Director of Information Technology

Evidence: Data can be shared seamlessly among systems and databases.

Comments:

LRPT Correlates: I07, LAS08

Objective 3.3: Implement a district-wide student information management system that includes training.

Budget for this objective: \$225,000.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 03 04b 09 12

Strategy 3.3.1: Continue to support online grade book solution to entire district.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Student Information Services Assistant Superintendent of Instruction and Student Services Chief Technology Officer Director of Information Technology

Evidence: Gradebook deployed at all campus levels.

Comments: The current student grade book system is Gradespeed.

LRPT Correlates: EP03, I01

Strategy 3.3.2: Make appropriate student data available to parents via secure online access to the student information management system.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Student Information Services Chief Technology Officer Director of Information Technology

Evidence: Parents receive secured logon and password to access their child's data.

Comments: This service will be made available when the portal solution becomes active. (see strategy 3.1.1)

LRPT Correlates: I08, TL15

Objective 3.4: Provide a district-wide Professional Development Management system.

Budget for this objective: \$0.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates:

NCLB Correlates: 03 04b 05

Strategy 3.4.1: Continue to utilize a Professional Development Management system and provide training for all staff on its use.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Instruction and Student Services Executive Director of Educational Technology Associate Superintendent Human Resources

Evidence: Enrollment of staff in the system and increased use to maintain Professional Development data.

Comments: Klein ISD will continue to support an online professional development management system. This system provides teachers, librarians, administrators and all staff with web-based learning, assessment and certification as well as portfolio and transcript management. The district will ensure that this system interfaces with the KP DAS as well as the curriculum management system.

LRPT Correlates: EP03, EP05, I01, I09

Objective 3.5: Maintain a fully integrated curriculum management system that meets the growing needs of Klein ISD.

Budget for this objective: \$0.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01 ER02

NCLB Correlates: 03 04a 04b 06 07 08

Strategy 3.5.1: The district will continue to support an online program that incorporates curriculum management, lesson planning, staff development, benchmarking, and the teacher appraisal system into one seamless application.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction and Student Services Executive Director of Curriculum and Instruction Executive Director of Educational Technology Chief Technology Officer

Evidence: Program Purchased Staff developed scheduled and conducted Sign in sheets Lesson plans Curriculum designed and input into system

Comments: The district is currently utilizing various systems that do not interact with each other. The current curriculum management system is not meeting the growing needs of the district. The district will be deploying Eduphoria over the summer and the next school year to become the solution for curriculum and staff development management system for the district.

LRPT Correlates: EP01, EP03, EP04, EP05, I01, LAS01, LAS02, TL06, TL07

Objective 3.6: Purchase resources that will enhance student, teacher, staff and community learning through the use of technology. Provide professional development as needed.

Budget for this objective: \$3,490,000.00

LRPT Category: Leadership, Administration and Support

E-Rate Correlates: ER01

NCLB Correlates: 02 03 04a 04b 10 11

Strategy 3.6.1: Continue to support software that will allow students and teachers to actively collaborate during instruction.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director Educational Technology Chief Technology Officer Campus Principals

Evidence: Software purchased Teachers Trained Student products

Comments: The district will continue to support a product that allows teachers to monitor students as they use the computers. This software allows the teachers to interact with the students remotely while they are working on a project. The student will be able to share their screen with the class via the teacher's computer as well as capture notes that can be viewed at a later time for reference.

LRPT Correlates: I04, I08, TL05, TL16

Strategy 3.6.2: Adopt instructional materials that provide digital resources to enhance student learning and instruction.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction and Student Services Executive Director of Curriculum and Instruction, Curriculum Department Coordinators, Executive Director Educational Technology Chief Technology Officer,

IMA Steering Committee

Evidence: Adopted Materials and Purchases made through IMA and other funding sources.

Comments:

LRPT Correlates: TL09, TL10

Strategy 3.6.3: Maintain technology standards across the fine arts curriculum. Provide ongoing professional development for the fine arts teachers on the use of technology tools for teaching and learning fine arts.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction, Student Services Director Fine Arts Program Coordinator for Fine Arts Director of Information Technology Campus Principals

Evidence: Software versions and equipment standard across the district Training on new software and equipment

Comments: The music department and art department are standardizing on hardware and software. The music department is implementing software for music editing, recording, and tuning instruments. The art department is standardizing on the same version of software across the district as well as the types of scanners and printer that are being utilized.

LRPT Correlates: EP04, EP08, LAS10, TL01, TL09

Strategy 3.6.4: Continue to offer technology training to parents and community members.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Instruction, Student Services Executive Director Educational Technology Program Coordinator for Technology Applications Executive Director Student Services

Evidence: Classes scheduled Participant Sign in Sheet

Comments: The district partners with the Mexican Consulate to offer technology training in Spanish for the Spanish speaking community members. Parent welcome centers are in place at all Title 1 schools and offer technology classes for parents as part of their program.

LRPT Correlates: I08, TL15

Goal 4: Provide a stable and secure infrastructure to deliver appropriate content and allow for growth.

Objective 4.1: Explore multiple financial arrangements to secure and maintain workstations, infrastructure and other technologies.

Budget for this objective: \$0.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 05 06 12

Strategy 4.1.1: Work with all departments to combine funding sources to support the infrastructure and other technology purchases.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent of Finance Chief Technology Officer Director of Information Technology

Evidence: Multiple funding sources are used to purchase equipment, services and other technology purchases.

Comments: The district passed a bond in 2008. A portion of this bond is being utilized to replace, purchase, and implement current technologies. District departmental and campus funds are being utilized where the bond funds will not provide the funds needed for equipment, software, and support. .

LRPT Correlates: I01, I02, I05

Objective 4.2: Plan and prepare facilities to accommodate technology equipment.

Budget for this objective: \$9,000,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 02 05

Strategy 4.2.1: Plan new facilities with a secure infrastructure for a computer ratio of 1:1 for both teachers and students, integrated systems for HVAC, access control, intrusion detection, fire alarm and security cameras.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Facilities and School Services Assistant Superintendent of Facilities Chief Technology Officer

Evidence: New and existing facilities will be fully automated and adequate for growth.

Comments: As the district builds new buildings, adds temporary building or additions to the schools, these will be

connected to current infrastructure being implementing on the campuses.
LRPT Correlates: I01, I08, I09

Strategy 4.2.2: Retrofit existing facilities with a secure infrastructure for a 1:1 computer ratio for both teachers and students, integrated systems for HVAC, access control, intrusion detection, fire alarm and security cameras and new technologies.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Facilities and Schools Services Assistant Superintendent of Facilities Chief Technology Officer

Evidence: Updates continue as schools are renovated and new integrated systems go in place.

Comments:

LRPT Correlates: I01, I08, I09

Strategy 4.2.3: Continue to support wireless 802.11 a/b/g/n wireless technology on all campuses. Data will operate on the "a" channel and voice will utilize the "b" channel and new campuses operating with "n" channel for data.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Director of Information Technology Associate Director of Information Technology

Evidence: Campuses will have wireless data and voice access.

Comments: The district is standardized with Aruba wireless technology. Nine campuses will be retrofitted from the existing 802.11x wireless solution to the new solution.

LRPT Correlates: I01

Objective 4.3: Provide 1:1 computer to staff to meet the Long Range Plan goal for computing.

Budget for this objective: \$1,125,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 02 04b 05 07 12

Strategy 4.3.1: Continue to support 1:1 teacher devices for teachers on a high school campus.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Executive Director Educational Technology Director of Information Technology

Evidence: PC tablets deployed to teachers on all high school campuses

Comments: The teachers will receive their devices a year before the students receive their computing devices.

LRPT Correlates: I02, I04, I05, I08

Strategy 4.3.2: Provide ongoing staff development to teachers receiving laptops to prepare for new teaching strategies and build resources for student 1:1 deployment.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent to Instruction, Student Services Executive Director Educational Technology

Evidence: Staff development scheduled Participant Sign in sheets Lesson plans

Comments: As the teachers receive their laptops one day will be dedicated to "Out of the box training". Three days will be dedicated to Teaching with Technology. The teacher will have a year to complete online staff development that will provide resources on utilizing technology in instruction.

LRPT Correlates: EP01, EP02, EP04, EP05, EP06, EP08, EP09, I04

Objective 4.4: Meet the technology equipment target of a student to computer ratio of 1:1.

Budget for this objective: \$15,000,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 06

Strategy 4.4.1: Deploy 1:1 computing devices to the high school campuses.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Finance Executive Director Facilities Executive Director Educational

Technology Director of Information Technology

Evidence: Deployment of 1:1 on high school campuses

Comments: The deployment of 1:1 computer will be complete at the four high school campuses by 2013. As funds are available the district will implement 1:1 computing at the remaining intermediate schools as well as the existing elementary campuses. The elementary campuses currently have mobile labs that are shared by either grade level or by mods.

LRPT Correlates: I04, I08, I09

Objective 4.5: Provide access to appropriate technology equipment to students and staff in libraries, school offices, and in other work and learning areas, ensuring accessibility for students and staff with special needs.

Budget for this objective: \$3,250,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03

Strategy 4.5.1: Review campus and district recommendations and supplement additional equipment as needed to provide equity between campuses and meet their instructional needs.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Executive Director of Educational Technology Director of Information Technology

Evidence: Database of requests for equipment. Campus inventories.

Comments:

LRPT Correlates: I01, I08

Strategy 4.5.2: Review campus physical inventory of hardware and make corrections as needed to ensure accessibility for students and staff with special needs.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Executive Director of Educational Technology Executive Director of Student Services Director of Information Technology

Evidence: Campus inventories.

Comments:

LRPT Correlates: I07, I08, I09

Strategy 4.5.3: Purchase workstations as new teachers are hired to maintain the 1:1 teacher to computer ratio.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Executive Director of Educational Technology Director of Information Technology

Evidence: Inventory of computers and 1:1 teacher to student ratio.

Comments:

LRPT Correlates: I05

Strategy 4.5.4: Determine video needs and purchase equipment to meet those needs, this may include videoconferencing, video streaming, etc.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Executive Director of Educational Technology Chief Technology Officer Director of Information Technology

Evidence: Implementation of video distribution center. Video use by teachers and students. Lesson plans.

Comments:

LRPT Correlates: I03, I08, I09

Strategy 4.5.5: Expand the career technology education program, determine the needs and purchase equipment to meet those needs. This may include modular labs, robotics, biomedical, virtual reality, etc.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director of Career and Technology Education Executive Director of Educational Technology Director of Information Technology

Evidence: Updated labs at the intermediate schools and expansion of CATE at the high schools.

Comments:

LRPT Correlates: I04, I05, I09

Objective 4.6: Continue to provide high-speed filtered access to the Internet for students and staff.

Budget for this objective: \$630,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 08

Strategy 4.6.1: Monitor Internet access response time to ensure that the response time is adequate for student and staff needs and adjust if necessary.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Director Information Technology

Evidence: Internet log

Comments:

LRPT Correlates: I01, I05

Strategy 4.6.2: Provide remote filtered Internet access to students who are participating in the 1:1 computer programs.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director of Information Technology District Network Administrators

Evidence: Students computers are being filtered off site Logs of filter

Comments: This will ensure that the district is being pro-active in deferring students from accessing sites that are not educational appropriate when the district provided equipment is utilized off campus and off network.

LRPT Correlates: I04, I05, I08, I09

Strategy 4.6.3: Connectivity to high speed Internet service provider and connectivity for redundant internet service.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director of Information Technology Associate Director of Information Technology

Evidence: Contract with providers

Comments: The district has a contract with providers that provide connectivity up to 1.2 GHz. Each year the district will increase band to keep current with the demand for bandwidth.

LRPT Correlates: I06

Objective 4.7: Replace or reposition obsolescent technology on a scheduled basis.

Budget for this objective: \$1,860,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 03 05

Strategy 4.7.1: Replace/reposition computers every 5 to 7 years.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Assistant Superintendent of Finance Chief Technology Officer Director of Information Technology

Evidence: No computer on the network older than five years.

Comments: The district is striving to replace computers that are five years of older. This replacement cycle will be implemented each year. As computers become end of life the district will replace them with updated technology. The existing computers will be recycled either by a contracted vendor or sold at an action.

LRPT Correlates: I07

Strategy 4.7.2: Upgrade or replace network infrastructure, servers, and SANs (storage) as equipment becomes obsolete.

State: Revised

Status: Planned

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Director of Information Technology

Evidence: Purchased upgrades, new or refurbished equipment purchased

Comments:

LRPT Correlates: I07

Strategy 4.7.3: Continue to maintain support, connectivity, and updates on district VoIP and digital phone system.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director of Information Technology Network Administrator for Phone System

Evidence: Renewal of Maintenance Contract Renewal of connectivity contracts with service provider Updates on software and hardware

Comments:

LRPT Correlates: I08

Strategy 4.7.4: Review periodically the standard applications load installed on all administrative and support staff computers and seek the input of end-users with respect to features, functionality, and comprehensiveness.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director Information Technology Executive Director of Educational Technology

Evidence: Changes, as needed, made to the standard software load.

Comments:

LRPT Correlates: I01, I05

Objective 4.8: Build community support through collaborative planning, education, and other resources.

Budget for this objective: \$180,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 09 10

Strategy 4.8.1: Involve parents, community members and business people to be an integral part of strategic and long range planning.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Superintendent Chief Technology Officer Cabinet members

Evidence: Sign in sheets from planning meetings.

Comments:

LRPT Correlates: LAS13

Strategy 4.8.2: Provide online resources and forums on the district and campus websites.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Executive Director of Educational Technology Assistant Superintendent of Community Relations Director of Information Technology

Evidence: Review of websites.

Comments: There are many resources for the parents and community on the website. These range from Klein related topics to help guides, to resource information for parents. Klein provides an online forum for the community to discuss current topics. Additionally, there is a link from the online Parents Resources page that takes the community to various adult literacy providers.

LRPT Correlates: I08, I09

Objective 4.9: Provide and maintain an infrastructure for communications with parents and community members.

Budget for this objective: \$138,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 09

Strategy 4.9.1: Maintain a web site that provides district, campus, department/team, instructional, resources, club, activity, etc. news and information.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Webmaster

Evidence: Review of website.

Comments:

LRPT Correlates: I08

Strategy 4.9.2: Continue to support a district web portal for parents and students to access secure student data in real time.

State: Revised

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director Information Technology Executive Director Student Information Systems District Network Administrators

Evidence: Portal available to parents and students.

Comments:

LRPT Correlates: LAS11, TL15

Objective 4.10: Develop a disaster recovery plan for ensuring critical technology applications can be recovered in a timely manner.

Budget for this objective: \$0.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01

NCLB Correlates: 05 06 12

Strategy 4.10.1: Organize an action team to review and revise the comprehensive disaster recovery plan that encompasses all technology resources utilized by all district departments.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Chief Technology Officer Director Information Technology Assistant Director Information Technology Associate Superintendents from all divisions, LRTP Committee

Evidence: Meeting dates, sign-in sheets, final disaster recovery plan.

Comments:

LRPT Correlates: LAS14

Strategy 4.10.2: Document and provide steps to implement the district's technology disaster recovery plan.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Director of Information Technology District Network Administrators Department Technology Contacts and LRTP Committee

Evidence: Documentation from all departments showing compliance with the district's technology disaster recovery plan.

Comments:

LRPT Correlates: LAS14

Objective 4.11: Assure that staffing for both technical and instructional technology support grows in proportion to the implementation of technology systems.

Budget for this objective: \$675,000.00

LRPT Category: Infrastructure for Technology

E-Rate Correlates: ER01 ER02

NCLB Correlates: 01 03 04a 04b 06 07 12

Strategy 4.11.1: Hire qualified technical support staff and administrators as technology projects are implemented to meet the district recommended staffing model.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Human Resources Director Information Technology Executive Director Facilities Executive Director Educational Technology

Evidence: Qualified staff hired.

Comments: The goal is to reach a minimum standard of one technician for every 1,000 networked computers in place in the district. Specialized programs will also require additional technical support.

LRPT Correlates: I01, I04, I05, I08, TL09, TL12

Strategy 4.11.2: Add additional district instructional technology teachers, support staff, and administrators to accommodate the growth of the district and the addition of new campuses. Add campus-based instructional technology teachers to meet the district recommended campus instructional technology staffing model as the use of technology tools for teaching and learning becomes an integral part of instruction in all classrooms.

State: Original

Status: In Progress

Timeline: July 1, 2013 - June 30, 2016

Person(s) Responsible: Associate Superintendent Human Resources Associate Superintendent Instruction, Student Services Executive Director Educational Technology

Evidence: Personnel hired and in place.

Comments: Klein ISD currently has 7 district instructional technology teachers supporting 39 campuses. There are no campus-based instructional technology teachers in place in the district.

LRPT Correlates: EP01, EP02, EP03, EP04, EP08, EP09, LAS06, TL09, TL16

Objective 4.12: Develop a system for assuring that all technology components (hardware, software, network infrastructure) meet district standards.
Budget for this objective: \$469,000.00
LRPT Category: Infrastructure for Technology
E-Rate Correlates: ER01
NCLB Correlates: 03 06 12

Strategy 4.12.1: Establish a network standards committee to review appropriate communication system standards on an annual basis.
State: Original
Status: Planned
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Chief Technology Officer Director of Information Technology
Evidence: Committee meetings Standards document and published surveys
Comments: This committee will ensure the standards reflect the changing needs of the district in the short and long-term. The standards will be reviewed and updated based on surveys.
LRPT Correlates: I01, I08, LAS01, LAS05, LAS09

Strategy 4.12.2: Implement an IT Change Management Committee (ITCMC) with representatives of all departments.
State: Revised
Status: Planned
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Chief Technology Officer Director of Information Technology LRTP Committee
Evidence: Committee established Meeting dates
Comments: Require changes to the network systems to be reviewed, impact assessed, scheduled, communicated to stakeholders and monitored by the committee.
LRPT Correlates: LAS01, LAS02

Strategy 4.12.3: Identify and integrate online resources (Web 2.0 strategies such as blogs, podcasts, wikis, and social interaction spaces) to engage students and create interactive learning environments that mirror the way "digital natives" think, process and learn.
State: Original
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Chief Technology Officer Executive Director Educational Technology Director of Information Technology
Evidence: Committee Meeting Pilot Programs
Comments: Develop necessary policies and procedures to ensure alignment and support for new and emerging technology.
LRPT Correlates: I01, I09, LAS01, LAS02, TL09, TL16

Strategy 4.12.4: Continue to analyze the current district information systems to assess their value and use the results to plan for needed changes.
State: Revised
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Director Information Technology
Evidence: Network infrastructure continues to improve and meet the changing needs of the district.
Comments:
LRPT Correlates: LAS02, LAS15

Strategy 4.12.5: Research and implement appropriate school configurations and define standards for peripheral devices to guide teachers and school-based leadership with selection and purchase.
State: Original
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Executive Director Educational Technology Director Information Technology
Evidence: Standards and price list posted on district intranet.
Comments:
LRPT Correlates: I04, I05

Strategy 4.12.6: Continue to support an asset management system integrated with finance and procurement.
State: Revised
Status: In Progress
Timeline: July 1, 2013 - June 30, 2016
Person(s) Responsible: Chief Technology Officer Director Information Technology Associate Superintendent Finance District Asset Manager

Evidence: Asset management program implemented

Comments:

LRPT Correlates: I07

BUDGET

Total amount of Title II, Part D formula funds received for the current year of this plan: \$0.00

Method of application for formula funds: Local Application

Budget for year 2012

- Telecom cost: \$320,000.00

- Telecom source: General Revenue 100%

- Materials cost: \$2,455,507.54

- Materials source: Bond Funds 30%

Title Funds 9%

High School Allotment 6%

General Revenue 29%

IMA Funds 26%

- Equipment cost: \$10,571,000.00

- Equipment source: Bond Funds 100%

- Maintenance cost: \$1,414,000.00

- Maintenance source: General Revenue 19%

E-rate Funds 37%

IMA Funds 22%

CATE Federal Funds 22%

- Staff development cost: \$851,450.00

- Staff development source: Title II, Part A 2.0 General Revenue 96%

Title Funds 2%

- Miscellaneous cost: \$100,000.00

- Miscellaneous source: General Revenue 60%

Bond Funds 40%

- Total: \$15,711,957.54

Budget for year 2013

- Telecom cost: \$320,000.00

- Telecom source: General Revenue 100%

- Materials cost: \$2,409,327.00

- Materials source: Bond Funds 30%

Title Funds 9%

High School Allotment 6%

General Revenue 29%

IMA Funds 26%

- Equipment cost: \$10,222,000.00

- Equipment source: Local Bond Funds 100%

- Maintenance cost: \$1,620,000.00

- Maintenance source: General Revenue 19%

E-rate Funds 37%

IMA Funds 22%

CATE Federal Funds 22%

- Staff development cost: \$835,350.00

- Staff development source: Title II, Part A 2.0 General Revenue 96%

Title Funds 2%

- Miscellaneous cost: \$125,000.00

- Miscellaneous source: General Revenue 60%

Bond Funds 40%

- Total: 15,531,677.00

Budget for year 2014

- Telecom cost: \$330,000.00

- Telecom source: General Revenue 100%

- Materials cost: \$2,468,977.00

- Materials source: Bond Funds 30%
- Title Funds 9%
- High School Allotment 6%
- General Revenue 29%
- IMA Funds 26%

- Equipment cost: \$10,189,000.00
- Equipment source: Bond Funds 100%

- Maintenance cost: \$1,648,000.00
- Maintenance source: General Revenue 19%
- E-rate Funds 37%
- IMA Funds 22%
- CATE Federal Funds 22
- Staff development cost: \$835,350.00
- Staff development source: Title II, Part A 2.0 General Revenue 96%
- Title Funds 2%
- Miscellaneous cost: \$150,000.00
- Miscellaneous source: General Revenue 60%
- Bond Funds 40%
- Total: 15,621,327.00

EVALUATION

Evaluation Process:

Evaluation of the technology plan is a systemic process and is tied to strategic planning in the district. The technology plan is formally evaluated yearly and updated every three years or sooner as needed. The Executive Director of Educational Technology, Chief Technology Officer and the Director of Information Technology are responsible for overseeing the evaluation of the plan. The technology committee actually evaluates the plan. The plan will be evaluated against the district, campus and teacher STaR charts and the online technology self-assessment rubric. The time-lines provided in the document are reviewed to ensure that they are being met. The impact of technology on the learning process is assessed through formal and informal methods. The Board of Trustees and cabinet will receive an annual report as to the "State of Technology" in Klein.

Evaluation Method:

Texas STaR Chart results will be used to help assess our progress toward meeting the goals of the district technology plan and the state Long Range Plan for Technology.

Other methods used for evaluation will include:

Records of staff member participation in technology training monitored by sign-in sheets, class evaluations and teacher professional development records.

Integration of technology into the classroom as measured by lesson plans and number and type of technology and distance learning projects.

Evaluation of all educational programs and their continual monitoring, reporting and documentation.

Monitoring classroom variables such as students engaged in authentic, interactive, exploratory and multidisciplinary tasks, assessments based on students' performance of real tasks, and students working collaboratively with the teacher as a facilitator for learning.

Monitoring and documentation of community access to technology resources, technology professional development, and information on the campus and district websites.

Monitoring and documentation of community involvement.

Yearly inventory of hardware and software.

Support and maintenance of technology as documented by technical support records.