Long Range Technology Plan 2015 – 2018

College Station Independent School District

What is the LRTP and why do we have it?

- District wide plan for CSISD's use of technology
- Covers a 3 Year Period (2015 – 2018) - Updated annually
- Reviewed by regional service center, then reviewed and approved by TEA
- Required for federal funding under NCLB Title II, Part D, as well as many other state and federal funding opportunities

What does our plan cover?

- Our plan contains 4 main <u>goals</u>, with more specific <u>objectives</u> within each goal, then even more specific <u>strategies</u> (or action steps) within each objective.

- For Example:

GOAL 1:
Provide all students with relevant learning opportunities by integrating technology within daily instruction needed to be successful in learning, life, and the workplace.

OBJECTIVE 1.1:
Integrate technology into the curriculum to increase student achievement, engagement and fluency.

STRATEGY 1.1.1:
Provide on-line learning support technologies for students, parents and teachers as a "One-Stop Shop" for resources.

STRATEGY 1.1.2:
Expanded Success 24/7 On-Demand Learning System.

STRATEGY 1.1.3:
Provide opportunities for student and teacher collaboration through the use of interactive tools

How was the plan developed?

- Committee was formed, encompassing district, campus leadership, and classroom teachers
- Face to Face and on-line collaboration over a 5 month period

Committee Members

- Aaron Hogan (AMCHS)
- Tiffany Parkerson (CSHS)
- Maryam Ahmed (CSMS)
- Jennifer Rhea (AMCMS)
- Ty Cope (OW INT)
- Dawn Newton (CV ES)
- Josh Symank (PC ES)
- Nakeatha Hodge (SWV ES)

- Molley Perry (CO)
- Karen Baldauf (SPED)
- Shannon Long (CO)
- Kelly Kovacs (CO)
- David Hutchison (CO)
- Missy Broyles (CO)
- Kelly Derrick (CO)

Committee's Focus on?

- Choice

- Learning Support

- Principles

Do not let technology determine the goals and objectives.

Long Range Technology Categories

- Teaching and Learning
- Educator Preparation and Development
- Leadership, Administration, and Instructional Support
- Infrastructure for Technology

Primary Goals

- Provide all students with relevant learning opportunities by integrating technology within daily instruction needed to be successful in learning, life, and the workplace.

- Equip CSISD educators and support staff with the knowledge, skills, and classroom strategies to transform teaching and learning for all CSISD students

- Provide effective and efficient learning support for all CSISD students and staff.

- Increase the reach and capacity of CSISD's infrastructure to provide a stable, secure and robust network to support teaching and learning.

Recurring themes throughout the plan

- Expansion of 24/7 access to resources for students, parents and faculty.

- Professional development and assistance for further integration of technology into the curriculum.

- Increased access to devices and resources for both traditional and non-traditional delivery models

- Increased mobility (BYOD)

- Increased bandwidth to support on-line curriculum and educational resources.

The Funding Challenge

- Funding for technology recently changed to a combined "Instructional Materials Allotment" (IMA) for the district that includes any and all instructional materials (e.g. textbooks).

- This requires everyone from CO to the classroom to think about costs of materials and where investments would be most wise, while still utilizing a feasible, success approach to student learning.

- Given the current landscape of state funding, our smart investment is infrastructure, connectivity, and technology with long term use.

- New funding comes out each biennium, LRTP covers 3 year period. This necessitates that the LRTP is a living document.

Questions?

Goal 1: Provide all students with relevant learning opportunities by integrating technology within daily instruction needed to be successful in learning, life, and the workplace.

- LRTP Category: Teaching and Learning

- Objective 1.1: Integrate technology into the curriculum to increase student achievement, engagement and fluency.
  1. Provide on-line learning support technologies for students, parents and teachers as a "One-Stop Shop" for resources.
  2. Expanded Success 24/7 On-Demand Learning System.
  3. Provide opportunities for student and teacher collaboration through the use of interactive tools

- Objective 1.2: Enhance the quality and consistency of curricula, instruction, and assessment through instructional technology.
  1. Continue utilization of campus based technology facilitators to provide localized instructional technology support and training.
  2. Continue use of local and state assessment data to identify student academic needs and to develop appropriate instructional strategies.
  3. Integrate Technology Applications TEKS into the district's aligned curriculum for English/language arts, reading, mathematics, science and social studies.
  4. Revise and update the current curriculum in grades 5-8 to include relevant technology skills and tools.

Goal 1: Provide all students with relevant learning opportunities by integrating technology within daily instruction needed to be successful in learning, life, and the workplace.

LRTP Category: Teaching and Learning

- Objective 1.3: Provide ALL students with rich educational opportunities to explore technology and achieve proficiency in the technology TEKS.
    1. Provide access to instructional activities that are aligned to state standards and are integrated into the curriculum.
    2. Expanded implementation of instructional delivery models such as Flipped, On-Line and Project Based Learning.

Goal 2: Equip CSISD educators and support staff with the knowledge, skills, and classroom strategies to transform teaching and learning for all CSISD students

LRTP Category: Educator Preparation and Development

- Objective 2.1: Increase teacher, administrator, and staff proficiency in district-standard technology applications.
    1. Provide incentives for the integration of technology into curriculum.
    2. Build technology sessions into required professional development.
- Objective 2.2: Provide instructional development resources for teachers and staff.
    1. Provide instructional coaching, training, support and resources for teachers so that integration and academic alignment of state skills can occur.
    2. Develop online professional collaboration environment for training and curriculum sharing for teachers, by teachers.

Goal 3: Provide effective and efficient learning support for all CSISD students and staff.

LRTP Category: Leadership, Administration, and Instructional Support

- Objective 3.1: Expand resources for learning support inside and outside the classroom.
    1. Develop On-line support, providing parents easy access to instructional tools and materials .
    2. Provide individual student access, 5th - 12th, to network drives and collaboration workspace
    3. The district will improve ease-of use with the online student data repository and reporting system to support Response-to-Intervention
- Objective 3.2: Develop a process to select future purchases of CSISD supported technologies to ensure compatibility.
    1. Develop methodology for piloting new technology prior to campus or district adoption.
    2. Develop a process for integrating new technology with district's existing technology.

Goal 3: Provide effective and efficient learning support for all CSISD students and staff.

LRTP Category: Leadership, Administration, and Instructional Support

- Objective 3.3: Use appropriate technology to enhance communication with and facilitate involvement of College Station ISD parents and community.
    1. Provide timely and up to date information dissemination via website, electronic newsletter, and Email
    2. Expanded utilization of social media tools to communicate with parents, students and community members.
    3. Provide curriculum and support materials that outline safe computing practices, social networking standards, cyber-security practices and cyber-bullying prevention.
    4. Continued utilization of emergency notification text system, SchoolMessenger.

- Objective 3.4: Provide safe and secure facilities
    1. Expansion and upgrade of campus security camera systems into a single, unified district system.
    2. Maintain school visitor management system, providing screening of all campus visitors.
    3. Upgrade of P/A systems throughout district to a single, unified system.

Goal 4: Infrastructure for Technology – Increase the reach and capacity of CSISD's infrastructure to provide a stable, secure and robust network to support teaching and learning.

LRTP Category: Infrastructure for Technology

- Objective 4.1: Provide all instructional staff with relevant technology to enhance student engagement.
    1. Increase the number of computing resources available through mobile access devices, netbooks and other technologies.
    2. Continue deployment of audio enhancement systems within the classroom environment, enhancing the learning experience.
    3. Expand utilization of existing interactive display technologies as well as exploring new technologies
    4. Increase network storage capacity to accommodate increasing digital storage needs, archival/retrieval requirements and potential disaster recovery efforts.

- Objective 4.2: Provide secure and reliable Internet/Intranet services for district, facilitating access to educational tools are resources.
    1. Continue to provide high speed Intranet/Internet connectivity to all district facilities, supporting instructional and administrative tasks.
    2. Implement standardized operating procedures for technology systems and services to provide measures for documentation, operation, control, and continuous improvement.
    3. Maintain filtering and security software to prohibit the access of non-educational information, increasing access to educational materials.
    4. Increase wireless coverage in all facilities to support increased BYOD and district owned wireless device growth.

Goal 4: Infrastructure for Technology – Increase the reach and capacity of CSISD's infrastructure to provide a stable, secure and robust network to support teaching and learning.

LRTP Category: Infrastructure for Technology

- Objective 4.3: Investigate ways to increase access to the general curriculum through expansion of technology supports for diverse learners.

  1. Implement on-demand educational software that allows students who struggle, such as those with reading disorders or English language learners, to access print through a multisensory approach to learning. This software will be available on student computing devices in order to maximize consistent access for any student.

  2. Maintain a wide variety of instructional and assistive technology for students with disabilities (e.g. lower device to student ratio in special education classrooms, interactive touch tablets, touch screen monitors, subscriptions to instructional supports for core content areas).

  3. Provide teachers with a wide variety of high-quality options for technology tools which support student's access to the general curriculum. Continue to develop the online repository of resources that have been vetted for quality.