



# **Long Range Technology Plan**

**2019-2024**

**College Station Independent School District**

# Long Range Technology Plan

## **Purpose**

College Station ISD strives to afford all learners real world, challenging, authentic experiences that develop their creativity, confidence, and competence in a safe and healthy learning environment that celebrates diversity through meaningful relationships. To help foster the learner's development within the educational environment, a committee was developed to review past long range technology plans, discuss lessons learned and develop goals and strategies to guide future technology endeavors.

## **Technology Planning Committee**

Geralyn Nolan – Board of Trustees Representative  
Molley Perry – Chief Administrative Officer  
Penny Tramel – Chief Academic Officer  
David Hutchison – Director of Technology  
Jeff Mann – Director of Instruction and Leadership Development  
Marla Ramirez – Director of Special Programs  
Stephanie Ryon – Digital Learning Coordinator  
Shannon Long – Instructional Technology Coordinator  
Kelly Derrick – Systems Administrator  
Karen Baldauf – Special Education  
Kayce Jones – Special Education  
Amanda Gibson – Curriculum and Instruction  
Brittney Hawkins – A&M Consolidated High School  
Josh Zehnder – Pecan Trail Intermediate  
Claire Hall – College Station Middle School  
Amber Locke - South Knoll Elementary  
Araceli Seydler – Spring Creek Elementary  
Jennifer Morehead – Oakwood Intermediate  
Jenny Marquardt – A&M Consolidated Middle  
Jill Conlin – College Station High  
Julia Mishler – Wellborn Middle School  
Mike McEver – A&M Consolidated High School  
Josh Hatfield – College Hills Elementary  
Stormy Hickman – Spring Creek Elementary  
Maryam Ahmed – College Station Middle School  
Mackenzie Zumwalt – Oakwood Intermediate School  
Chauncey Lindner – A&M Consolidated High School  
Heather Jankowski – Pebble Creek and Greens Prairie Elementary Schools  
Denise Gary – Pecan Trail Intermediate and Wellborn Middle Schools  
Tina San Angelo – College Station High School

## **EXECUTIVE SUMMARY**

College Station Independent School District, in partnership with the community, strives to provide a quality education that prepares our students for the challenges of life. The vision of CSISD is that all learners in CSISD will be afforded real world, challenging, authentic experiences that develop their creativity, confidence, and competence in a safe and healthy learning environment that celebrates diversity through meaningful relationships. Together, as a community, we will work to prepare our students to meet the needs of their future success each life, each day, each hour. The 2019 – 2024 Long Range Technology Plan embraces this preparation, by providing a strategic guide for the implementation of relevant technology for all areas of the educational environment, both on and off campus.

Since 1995, CSISD has been concentrating on integrating technology into all classrooms and creating a sound technology infrastructure to support teaching, learning, assessment, and safety. The 2019-2024 Long Range Technology Plan builds upon past progress, but with a renewed emphasis on staff development, community involvement and access to digital resources. The committee, comprised of teachers, administrators and technology staff, each brought their own unique experiences and perspectives and incorporated them into the plan. Each committee member was tasked with focusing not on any specific technology component, but how technology aids in providing students, parents, faculty and staff with choice, learning support and principles. As a result of the committee's hard work, the following goals were developed:

1. **Teaching and Learning:** Enhance the teaching and learning process through purposeful integration of relevant digital resources across all learning environments.
2. **Professional Development and Communication:** Equip CSISD stakeholders with the knowledge, skills, and strategies to purposefully integrate instructional technology into learning experiences and to effectively communicate with the CSISD community.
3. **Technology Ecosystems:** Develop a flexible technology ecosystem that promotes digital learning and operational efficiency.

To support the stated goals, the plan focuses on providing both 21st Century tools as well as professional development initiatives to further develop technology integration into the educational process. For example, the continued use of the Instructional Technology Coordinator and Campus Technology Facilitators for assisting with the implementation of instructional technology methodology, enhancing the quality and consistency of curricula across the district. The plan further acknowledges the importance of the role of staff by calling for staff development and teacher support in the areas of technology integration, proficiency standards for teachers, administrators, librarians and support personnel.

Each goal, objective and associated strategies were developed with consideration of all state curriculum standards, including the student standards for technology, as defined by the Technology Applications Texas Essential Knowledge and Skills (TEKS), required in the Texas Education Code, Section 28.002. These TEKS are used as guidelines for providing instruction as part of the core and enrichment curriculum for all grade levels.

## Teaching and Learning

**Goal 1:** Enhance the teaching and learning process through purposeful integration of relevant digital resources across all learning environments

**Objective 1.1:** Enhance the quality and consistency of curricula, instruction, and assessment through instructional technology to support teaching and learning

### ***Strategies***

- 1.1.1 Work with principals to clarify campus-based technology facilitators' role in supporting curricula, instruction, and assessment and create a plan to help build capacity and fulfill role expectations
- 1.1.2 Leverage technology resources to continue the use of local and state assessment data to identify student academic needs and to develop appropriate instructional strategies
- 1.1.3 Integrate Technology Applications TEKS into the district's aligned curriculum for all content areas K-8
- 1.1.4 Embed digital learning resources into curriculum documents across all content areas
- 1.1.5 Expand digital resources to support lesson design and timely feedback across all learning environments
- 1.1.6 Explore and implement innovative technologies for continuous improvement in teaching and learning

**Objective 1.2:** Provide ALL students with rich educational opportunities to explore technology and achieve proficiency in the technology application TEKS to support learning within all content areas

### ***Strategies***

- 1.2.1 Provide access to instructional activities that are aligned to state standards and are integrated into the curriculum
- 1.2.2 Create a plan to implement a technology proficiency exam in a relevant course(s) or grades to ensure mastery of K-8 Technology Application TEKS
- 1.2.3 Provide support for the planning and implementation of digital learning models such as blended learning or flipped instruction

**Objective 1.3:** Provide all administrators, teachers, parents, and students with relevant Digital Citizenship learning experiences.

***Strategies***

- 1.3.1 Create and implement a district plan for delivering K-12 digital citizenship curriculum for all students which includes social-emotional health related to technology
- 1.3.2 Provide digital and face to face learning opportunities for CSISD families

## **Professional Development and Communication**

**Goal 2:** Equip CSISD stakeholders with the knowledge, skills, and strategies to purposefully integrate Instructional technology into learning experiences and to effectively communicate with the CSISD community.

**Objective 2.1:** Develop teacher, administrator, and staff knowledge and skills in district-standard technology resources.

***Strategies***

- 2.1.1 Allocate protected time to utilize Campus Technology Facilitators to educate and mentor teachers in the implementation of technology resources by (eg: duty periods, half time position, etc)
- 2.1.2 Provide professional learning and training for teachers and administrators in the use of district-wide resources
- 2.1.3 Provide support for the planning and implementation of digital learning models such as blended learning or flipped instruction
- 2.1.4 Increase the implementation of online professional collaboration and training through the Schoology platform
- 2.1.5 Provide professional learning and training for teachers in collaborative learning resources such as G-suite or Schoology

**Objective 2.2:** Provide training, support, resources, and coaching for stakeholders in order to successfully integrate technology within the curriculum.

***Strategies***

- 2.2.1 Establish an understanding of the power of technology integration and why it is important in today's teaching and learning with all stakeholders
- 2.2.2 Develop an ongoing professional development plan that is updated yearly and aligned to the curriculum, district profiles, and goals outlined in the district improvement plan based on a comprehensive needs assessment
- 2.2.3 Explore and implement augmented campus support for technology integration through strategies such as student technology teams, expanded role of campus librarians, and/or increased support from campus technology facilitators
- 2.2.4 Staff responsible for delivering digital citizenship curriculum will receive training prior to instruction

**Objective 2.3:** Use appropriate technology to enhance communication with and facilitate the involvement of College Station ISD parents and community.

***Strategies***

- 2.3.1 All administrators (campus and district), teachers, paraprofessionals, coaches, interventionists, counselors, nurses, and secretaries will complete student data privacy training
- 2.3.2 All teachers and administrators will complete digital citizenship training
- 2.3.3 Streamline the use of Schoology to communicate with families for teaching and learning information and resources
- 2.3.4 Increase utilization of school social media tools such as Facebook, Instagram, and Twitter to share our school stories with parents, students, and community members in accordance with the CSISD Social Media Guidelines
- 2.3.5 Leverage technology to provide timely and accurate emergency communications to families

## Technology Ecosystems

**Goal 3:** Develop a flexible technology ecosystem that promotes digital learning and operational efficiency.

**Objective 3.1:** Design, monitor and evaluate the implementation and efficiency of technology and technology services.

### ***Strategies***

- 3.1.1 Determine and publish standards for technology infrastructure, computing devices, classroom technology, labs, libraries, collaborative learning spaces, etc., to be reviewed annually
- 3.1.2 Implement and standardize a process for technology resources evaluation, recommendation, and authorization for campuses/departments to purchase/use
- 3.1.3 Provide updates on technology projects and receive stakeholders' feedback on technology initiatives
- 3.1.4 Collaboratively with Technology and each Campus/Department, complete needs assessments at least annually and respond to customer needs

**Objective 3.2:** Enable equitable and sustainable technology lifecycle management

### ***Strategies***

- 3.2.1 Determine ongoing budgetary needs and replacement schedules for routine teacher and student device replacements
- 3.2.2 Evaluate the effectiveness of BYOD practices and implement any changes based upon identified needs. Establish district-provided device ratios  
Implement and standardize a process for technology resources evaluation, recommendation, and authorization for campuses/departments to purchase/use
- 3.2.3 Develop 5-year technology roadmap by categories that includes both capital and operational expenditure projections including funding sources

**Objective 3.3:** Provide and maintain a high-quality technology infrastructure

***Strategies***

- 3.3.1 Maintain and enhance a network infrastructure that allows for up-to-date industry standard security features, such as authentication, authorization and access control
- 3.3.2 Continue deployment and upgrade of technology infrastructure in both modernization of existing campuses and new construction, to ensure that infrastructure allows for equitable access to digital resources
- 3.3.3 Augment Wi-Fi capabilities, as needed, to accommodate the increasing number of connected devices, systems, sensors, and users

**Objective 3.4:** Provide safe and secure digital environments

***Strategies***

- 3.4.1 Establish formal cybersecurity standards to protect the district's confidential information and meet compliance objectives
- 3.4.2 Leverage cybersecurity automation and threat intelligence to reduce risk
- 3.4.3 Maintain ongoing collaboration between technology, communications, and those responsible for safety and security to ensure systems are designed and implemented to promote safety