Edinburg Common School

Computer Technology Plan
Four-Year Plan

2014-2018

Eagles Inspiring Growth & Nurturing Innovation Through Exploration

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Introduction

Since the development of the Edinburg Common School Technology Plan in 1995 many goals have been accomplished. There is a continued need for the technology plan to be updated to support learning opportunities for the district.

The Edinburg Common School District Technology Plan will be used to develop and implement technology acquisition and use directly affecting Pre-Kindergarten – 6 grade students, teachers, administrators, and parents. It establishes goals for students, teachers and other education professionals, school administrators, prospective teachers, and parents to help met the standards set by the New York State Department of Education.

Vision

High quality learning technologies will be available in all classrooms. Learning technologies will be widely and equitably used to support the education of students, teachers, administrators, parents and the community in helping all students to achieve New York State learning standards.

Educational technology applications will increase student involvement and improve student achievement by providing access to technology that allows them to analyze information, solve problems, collaborate with others, and communicate their thoughts and ideas. Effective use of learning technologies will allow students to become self-directed, self-motivated, and lifelong learners.

Teachers will increasingly be facilitators of student learning through proficient use of learning technologies. All teachers will receive intensive, job-embedded, ongoing professional development in integrating technology into their curriculum and instruction. Teachers will incorporate resources in their teaching strategies to address multiple learning styles, to motivate, engage, and support student exploration and growth.

Learning technologies will be available to all teachers to support their own professional development and learning. Resources for

teachers, available at any time and any place, will include:

- • Samples of effective curricula and lesson plans aligned with New York State Learning Standards, shifts, and Common Core Standards;

- • Samples of student work and assessments;

- • Opportunities to engage in dialogue and virtual mentoring relationships with colleagues;

- • Web-based applications that allow teachers and administrators to build relationships with parents and communities; and

- • Management tools that expedite administrative tasks, freeing up more time for direct student interaction.

Mission

The Edinburg Common School District will collaborate with teachers, administration and parents to develop, implement, maintain, and evaluate an educational technology infrastructure that provides everyone with the technology resources needed to support all students in achieving the New York State Common Core Learning Standards.

I. Goals and Objectives

In order to meet the goals of this Technology Plan, measurable objectives have been established. This section of the plan specifies these objectives.

Goal 1: Every student will have the opportunity to use learning technologies to access and analyze information in ways that develop higher order thinking skills, increase problem solving skills, and support their confidence in using technology skills needed for success now and in their future study.

Objective 1.1: The Edinburg Common School District will equitably allocate fiscal, staff and professional development resources to ensure that the acquisition, maintenance, and use of high quality learning technologies support all students in achieving

New York State technology standards.

Timeline: Ongoing

Goal 2: Every teacher and prospective teacher will work to gain technology competencies needed to effectively use technology in supporting student achievement of the New York State Common Core Learning Standards.

Objective 2.1: The Edinburg Common School District will allocate professional development resources to ensure that all teachers are adequately supported with the resources and skills they need to confidently integrate technology into their curriculum and instruction.

Timeline: Ongoing

Goal 3. Every administrator and prospective administrator will be technologically literate; will provide leadership in integrating technology into curricula, instruction, and student learning activities; and will have access to technological resources that support them in developing management systems and in creating a school climate and culture that results in high student achievement for all population groups.

Objective 3.1: The Edinburg Common School District will allocate sufficient professional development resources to ensure that all administrators and teachers are adequately supported with the resources and skills they need to confidently integrate high quality learning technologies into curriculum and instruction.

Timeline: Ongoing

Goal 4: In order to support parents in monitoring and reinforcing the instruction their child receives at school, parents will have the opportunity to access one or more of the following: web-based information about their children's learning environment, climate, and outcomes, as well as a wide range of student activities that can help parents assist their children at home. (SchoolTool, Raz-Kids, Remind, iReady, etc.)

Objective 4.1: The Edinburg Common School District will engage parents through the development of electronic school-parent-community communications mechanisms (i.e. email, Remind, Facebook, school website).

Goal 5: The Edinburg Common School District will develop, implement, and evaluate a plan for technology uses that support the New York State Learning Standards, including those for technology literacy, by all students, teachers, and other education professionals and include Federally mandated protection from inappropriate materials

Objective 5.1: The Edinburg Common School will collaborate with BOCES to ensure that district technology plans are consistent with Chapter 793 plans.

Objective 5.2: Students will be provided access to technology for the purposes of students' learning opportunities.

Objective 5.3: Professional development in integrating technologies into curriculum and instruction will be high quality, intensive and sustained.

Objective 5.4: District technology plans will have in place a policy of Internet safety for minors that includes the operation of a technology protection measure for any of its computers with Internet access that protects against access to visual depictions that are obscene, child pornography, or harmful to minors; and will ensure that such technology protection is enforced during any use of such computers by minors. Further, similar protection against visual depictions that are obscene, or child pornography, must be ensured for such computers even when used by adults.

Timeline: Ongoing

Goal 6: The Edinburg Common School will apply and develop a plan for the use of the 2015-2016 School Bond Act grant allocation. Upon grant approval, the district intends to update all current access points, POE switches, firewall, UPS, and purchase a server for student data backup. Additionally, the district plans to purchase new IWB panels, 3D printers, filament, Chromebooks, iPads, as well as all necessary mounts and wiring. This will greatly increase our connectivity, classroom integration across the curriculum and one to one initiative.

Goal 7: The Edinburg Common School will seek ongoing input, feedback, and assistance from representatives of all the education community to collaboratively develop, implement, evaluate, and revise the educational technology plan for the district, to continue to build educational technology capacity, and

to ensure the most relevant and highest possible quality of support for all members of the teaching and learning community.

Timeline: Ongoing

Timeline for Hardware

2014-2015
>Replacement: 10-15% of computers in the district
>Upgrades Hardware & Software: $9,000

2015-2016
>Replacement: 10-15% of computers in the district
>Upgrades Hardware & Software: $9,000

2016-2017
>Replacement: 10-15% of computers in the district
>Upgrades Hardware & Software: $9,000

2017-2018
>Replacement: 10-15% of computers in the district
>Upgrades Hardware & Software: $9,000

II. Strategy for District Expansion of Technology Capabilities

a. Purchase additional hardware to create and maintain a network that permits implementation of this plan.

b. Ongoing purchase of technology-related instructional equipment to enhance instruction.

c. Ongoing modernization of the library/media center and creation of an audio-video classroom to develop functional technology instructional resources.

d. Investigate possible technology use in a school-wide education program.

e. The IT Network Manager within the district will monitor computers, networks, hardware, and software used throughout the building

f. Upgrade existing hardware and software.

III. Staff Development Related to the District Technology Course of Study

a. Develop multiple computer-training sessions each year to build computer knowledge and skill aligned to district curricula and technology including but not limited to software, Google Classroom, Data Analysis tools, Promethean Resources, Computer based testing, I-Ready Maker-Space, Genius Hour, Robotics, etc...

b. Use of audio-visual equipment for recording and self-evaluating teaching abilities as well as for student use as well.

c. Modeling integration of technology through PBL and STEM curriculum development and sharing.

IV. Evaluation

a. Monitor and observe the technology plan by the IT Network Manager and Administration.

b. Monitor the effectiveness of the staff training sessions by the Superintendent.

c. Monitor the effectiveness of technology use in achieving instructional goals by the Superintendent.

d. Modify the technology plan and related policies, as necessary, to meet the needs of both the educational community and the community at large by the Technology Committee.

V. Funding

a. Funds provided by the district – it is the responsibility of the district to lead the way in meeting the needs of the

students and staff.

b. State and Federal Funds – Grants that are secured by the district for the development of technology.

c. New York State Technology Bond – Voter approved Bond to enhance technology across the state.

Plan Review:

Plan review will occur on a yearly basis. Updates will be made in accordance to the New York State Common Core Learning Standards and NYSED content.