

Technology Plan

Progreso East Elementary

April Canales

I. Vision

Our vision at Progreso East Elementary is to have our teachers gain knowledge and skills in the area of technology. Teachers will become comfortable and confident with incorporating technology in their lessons to enhance student learning. They will receive proper training that will teach them how to use technology hardware, software, and Internet applications. Teachers and students will have access to the latest technology

II. Assessment

Progreso East Elementary has been assessed through the Texas STaR Chart to determine our progress towards meeting the goals of the *Long-Range Plan for Technology, 2006-2020*. The STaR Chart has been developed using the four key areas of the *Long-Range Plan for Technology*: Teaching and Learning, Educator Preparation and Development Leadership Administration and Instructional Support, and Infrastructure for Technology. In 2011-2012 Progreso East Elementary scored the following on the STaR Chart:

I. Teaching and Learning	12	Developing Tech
II. Educator Preparation and Development	9	Developing Tech
III. Leadership, Administration, and Instructional Support	10	Developing Tech
IV. Infrastructure for Technology	8	Early Tech

Teaching and Learning

At this time teachers find it difficult to incorporate technology into lessons due to lack of resources and professional development. Teachers don't have access to a desktop or laptop in their room unless they bring their own laptop from home. Some teachers have weak or non-existent Internet connections whether wireless or through Ethernet cables. Students have access to computers during their computer lab class, where they use Study Island, Success Maker, and Accelerated Reader. Since these labs are not ran by teachers, no instruction is taking place that allow students to incorporate technology into what they are learning. Students have not mastered Technology Application TEKS. Most instruction is either teacher centered or learner center. Learner centered instruction takes place in the form of cooperative learning but no technology is

integrated into these lessons. Recently two computers on wheels (COWs) were received in hopes of teachers checking them out to be used in their lessons. Hopefully with this available to the campus we will see improvement in this key area.

Educator Preparation and Development

Teachers have been exposed to professional development trainings over Web 2.0 tools during staff development. Unfortunately these trainings have not been effective since they were whole group with 100 plus teachers, computers were not available for everyone to use to follow along in the training, Internet connection became very slow when everyone was accessing the server at the same time, and no follow up was made by administration to ensure teachers were integrating what they learned in to their lessons. Teachers have not received training over the use of technology hardware such as digital projectors, document cameras, laptops, smart boards etc. Teachers have submitted requests to go to technology trainings at service centers and local and state technology conferences only to be denied.

Leadership, Administration, & Instructional Support

As of yet administration has not discussed technology goals with faculty and staff. Teachers are unaware of technology objectives that were incorporated in the campus improvement plan at the beginning of the year. There is little opportunity for technology planning or professional development due to the stress of test scores placed on teachers. Teachers feel uncomfortable asking for professional development of any kind due to lack of approval on more than one occasion. Recently administration requested and succeeded in receiving digital projectors and document cameras for every teacher and two computers on wheels (COWs) for teachers to check out.

Infrastructure for Technology

No teachers have computers in their classrooms for students to use. The campus received two COWs recently; although not all students will have access to computers at one time it's a start. Internet connections have been a problem for many teachers. Some teachers can access the Internet through a wireless connection. Only certain classrooms can access the Internet through Ethernet cables. Other classrooms have no access to the Internet whatsoever. Work orders must

be submitted in order to have technical support to assist teachers, which could take days, weeks, and sometimes support is never received.

III. Goals

The following goals were developed around the four key areas and results of the campus's STaR Chart:

Teaching and Learning

- Regularly integrate technology, such as Web 2.0 tools, into lessons whether teacher centered or student centered
- Use technology, such as Web 2.0 tools, to support the development of higher-order thinking skills
- At least 85% of students will master Technology Application TEKS
- Create web-based lessons using Web 2.0 tools

Educator Preparation and Development

- Hire outside technology specialists to provide professional development
- Send teachers to technology trainings provided by service centers
- Send teachers to local and state technology conferences
- Teachers sent to trainings will training others on their campuses
- Hands on technology training using different hardware, software, and technology applications such as Web 2.0 tools
- Provide technology resources online

Leadership, Administration, & Instructional Support

- Administration will hold bi-weekly meetings to discuss the implementation of technology as seen in lesson plans, walk throughs, and observations
- Administration will apply for technology grants
- Administration will request district to hire campus MTTs and Technology Support Teachers to assist teachers in technology implementation

- Create a Technology Committee which will assist in analyzing STaR Chart results and revise technology plan

Infrastructure for Technology

- All teachers will have access to the Internet both wireless and through Ethernet cable
- Have a student to computer ratio of 2:1
- All computers and laptops will be networked to campus copiers for printing
- Create and maintain an updated inventory list of technology
- Create a system to replace old technology with new technology in order to stay up to date
- Create a new system that will keep track technology work orders and response time in order to be more efficient

IV. Action Plan

Key Area Goal	Action	Timeline	Party Responsible	Cost	Funding Source	Evaluation	Other Notes
Key Area I Goal I	Integration of Web 2.0 tools into lessons	Fall 2013- 2014	Principals, MTTs, Technology Support Teachers, Teachers	\$0	None	Lesson plans, observations , walk throughs, STaR Chart	Utilize Web 2.0 tools that are free of charge
Key Area II Goal II	Attend Technology Trainings at Service Centers	Spring 2013- 2014	Principals, MTTs, Technology Committee,	\$50,000	Local and Federal	Training Evaluation Attendance Sign in Sheets	Send MTTs, TST, and/or teachers to Region 1 Technology Trainings
Key Area III Goal III	Hire MTTs and Technology Support Teachers	Spring 2013	Human Resources, Hiring Committee, Principals	\$100,000	Local and Federal	District Contracts	Hire one of each for the campus
Key Area IV Goal II	Purchase computers and laptops for students	Spring 2013	Director of Technology , Principals, Technology Committee, MTTs	\$200,000	Local, Federal, E-Rate, Grants	Technology Inventory; STaR Chart	Lower computer to student ratio

V. Implementation

In order for this Technology Plan to be successfully implemented we need the support of our administration. Administration must strengthen our technology team by hiring the much-needed personnel such as MTTs and Technology Support Teachers to ensure that teachers get the assistance they need when implementing technology into their curriculum. Resources must be ordered to provide students with more opportunities to use technology and keep technology up to date. Professional development trainings must be scheduled on and off campus to educate teachers and technology personnel on the latest technology and technology applications available.

Without the support of the teachers this plan will fail. Administration can provide the technology personnel, resources, trainings, etc., but all this will mean nothing if teachers won't utilize them. Administration, technology personnel, technology committee must stress the importance of technology in our students education in order to prepare them for this technology driven world we live in today. Teachers must be presented with hard facts such as the campuses STaR Chart results, SBEC Technology Application Standards for All Teachers, Long-Range Plan for Technology, and Technology Application TEKS so teachers can understand that it is our job to be using and integrating technology into our classrooms.

VI. Evaluation

Key Area I focuses on the integration of technology into lessons and curriculum in order to enhance student learning.

- Lesson Plans: must provide detailed information over the use of technology by the teacher or students
- Walk throughs: ensure that teachers are using technology
- Observations: view students reactions to lessons when technology is used

Key Area II will provide teachers with the proper trainings to use technology hardware, software, and applications such as Web 2.0 tool.

- Training sign in sheets: check attendance

- Surveys: monitor how students have benefited from the trainings

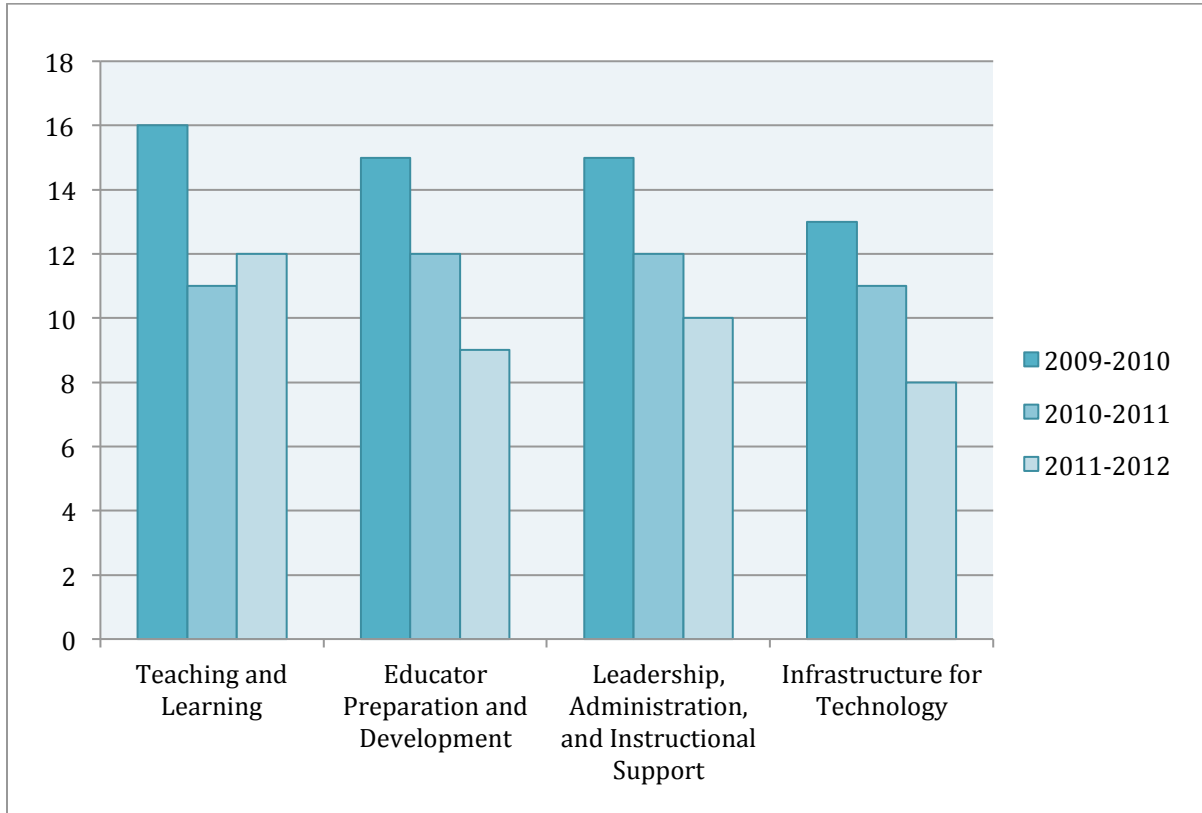
Key Area III will ensure administration support is available to teachers.

- Meetings: to discuss how technology has enhanced lessons and student learning and if anything is needed to make it better

Key Area IV will provide resources and technical support to teachers.

- Inventory: to organize information about the technology resources available on campus
- Requisitions: technology orders will be kept on file and reviewed to ensure products have been received
- Internet work order: will be kept on file and reviewed to ensure that technical support has provided Internet connections to all teachers.

VII. Progreso East Elementary Star Chart Results 2009-2012



VIII. Administrative Review

Mr. Victor Perez, Principal at Progreso East Elementary, reviewed this technology plan. The following were topics discussed at a meeting:

- Vision: liked that it was focused on the teachers since technology integration into curriculum depends on us
- Assessment: was unaware of the STaR Chart Results from the year prior and felt they were low and understands the reasons they are low
- Goals: felt the goals were attainable and not far fetched
- Action Plan: was clear and well organized and funds requested are reasonable
- Implementation: ensured that we will have his support to reach the goals of the plan
- Evaluation: strategies for evaluation will be easy to keep up with

Overall he felt technology implementation is important in our students' education. He will immediately look into forming a technology committee and bring up the hiring of MMTs and technology support teachers at the next superintendents meeting.

References

Texas Education Agency. (2012). Retrieved September 26, 2012, from Texas STaR Chart FAQs:

<http://starchart.epsilen.com/faq.html>

Texas Education Agency. (2012). Retrieved September 26, 2012, from Texas STaR Chart

History: <http://starchart.epsilen.com/history.html>

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