



Technology Literacy Institute: Preparing and Assessing Technology Literacy

Executive Summary

04/23/2003

Where do we want to be?

No Child Left Behind, the State Board of Educator Certification (SBEC), Texas Long Range Plan for Technology outline minimum expectations for teachers. The Technology Literacy Institute offers classroom teachers, librarians, support staff with a blended approach to developing technology literacy, as well as the opportunity to gain a laptop computer. For educators, the training focuses on technology literacy addressing the following:

- ✓ **Standard I.** All teachers use technology-related terms, concepts, data input strategies, and ethical practices to make informed decisions about current technologies and their applications.
- ✓ **Standard II.** All teachers identify task requirements, apply search strategies, and use current technology to efficiently acquire, analyze, and evaluate a variety of electronic information.
- ✓ **Standard III.** All teachers use task-appropriate tools to synthesize knowledge, create and modify solutions, and evaluate results in a way that supports the work of individuals and groups in problem-solving situations.
- ✓ **Standard IV.** All teachers communicate information in different formats and for diverse audiences.
- ✓ **Standard V.** All teachers know how to plan, organize, deliver, and evaluate instruction for all students that incorporates the effective use of current technology for teaching and integrating the Technology Applications Texas Essential Knowledge and Skills (TEKS) into the curriculum.

By Fall, 2003 the Office of Instructional Technology Services will have printable tutorials available to teachers so as to foster technology literacy. These tutorials will also have online assessments that teachers can take online. Completion of standards-based assessment will allow teachers a competitive edge when seeking positions in a district striving to meet *No Child Left Behind*.

Where have we been?

In 1997, San Antonio ISD implemented a set of expectations and placed them in educator contracts. These expectations included statements such as:

- ✓ All employees are expected to become proficient in an operating system, word processing, email and Internet use.
- ✓ ...each employee will develop spreadsheet, database, and presentation skills as they relate to the work setting during the next five years.

In 2001, this set of expectations expired. No expanded set of expectations took the place of this ground-breaking work.

Where are we?

Currently, there is no clear District plan for ensuring that teachers have the necessary pre-requisite skills for using technology to enhance teaching and learning. This is evident in the availability of technology, its use for word processing and email, but with no impact on teaching and learning process. Walk into a classroom

today, and you find obsolete computers unused by teachers as described in the standards set by *No Child Left Behind* and SBEC's Educator Technology Competencies.

How are we going to get there?

By accomplishing the following objectives:

1. Establish a district-wide online registration and professional development tracker by August, 2003.
2. Institute a comprehensive needs assessment using the Levels of Technology Implementation (LOTI) in Fall, 2003.
3. Make tutorials available online with technology literacy assessments aligned to NCLB and SBEC's Educator Technology Competencies by Spring, 2004.
4. Institute an online assessment for technology literacy by Fall, 2003 that results in a laptop for the PreK-12 teachers, librarians, and professional resource staff.
5. By 2004-2005 school year, encourage principals hiring teachers to use the assessments collected online during hiring.

How will we know if we are getting there?

By achieving the objectives shown above.

When should we be there?

2004-2005 school year.

What are the resources needs/issues?

- ✓ *Hardware:* purchasing technology—laptop--for teachers who successfully complete assessments correlated to the standards above.
- ✓ *Software:* Standardize software across Campuses as a result of the base technology plan.
- ✓ Development of Professional Development Materials.

POLICY CITATION

**BACKGROUND
INFORAMTION AND
SIGNIFICANT ISSUES;
PREVIOUS BOARD OR
ADMINISTRATIVE
ACTION**

RECOMMENDATION

FISCAL IMPACT

\$34,000 for LOTI Assessment in 2003-2004 school year and \$1500 per laptop cost per teacher.

**PROCEDURAL AND
REPORTING
IMPLICATIONS**

**EXECUTIVE/CABINET
TEAM MEMBER(S)
RESPONSIBLE**

1

SAISD Accountability, Technology and Management Information Services Department

Technology Project Information Form

PROJECT NAME	<i>Technology Literacy Institute: Preparing and Assessing Technology Literacy</i>
ATMIS DEPARTMENT SPONSOR	Miguel Guhlin, Director, Instructional Technology Services
ATMIS PROJECT SPONSOR	Miguel Guhlin, Director, Instructional Technology Services
POST-IMPLEMENTATION PROJECT OWNER	
VISION 2005 REFERENCE	<ol style="list-style-type: none"> 1. By the year 2005, 100 percent of teachers will use appropriate technology-based tools to access data on students, state tests, and other test results. 2. Technology initiatives: Give...administrators, and decision-makers, access to more information in order to make data-driven decision about students, the instructional program, and other academic issues. 3. Management Information System and Services Initiative: <ul style="list-style-type: none"> <input type="checkbox"/> Enables data-driven decision-making in all classrooms, at all campuses, and throughout District-level operations...administration will use appropriate technology-based tools for reviewing student information and personnel information. <input type="checkbox"/> Creates a data-warehousing center for improved data accumulation and easy access to campuses for accountability purposes.
ATMIS STAFF AFFECTED	Instructional Technology Services District Initiatives and Special Projects Network Services Technology Support Services
OTHER SAISD DEPARTMENT(S) AFFECTED	
PROJECT COST ESTIMATE	
ONE-TIME	\$34,000
RECURRING	Per laptop for educators completing all the standards-based assessments.
ADDITIONAL STAFFING REQUIRED	
CRITICAL DEADLINE	August, 2003
FACILITY REQUIREMENTS	Internet capable computers that meet hardware requirements.
SOLE SOURCE PURCHASE	NO
VENDOR NAME	
BUDGETED FUNDS	NO
BUDGET CODE	
EXISTING PROJECTS RELATED TO	
CONSEQUENCE OF NON-APPROVAL	Non-approval will result in campuses unable to fully realize the Vision 2005 initiatives.

