

Strategies for facilitating classroom teachers' acquisition of the knowledge and skills specified in the Technology Applications Standard I-V for all beginning teachers
CHEATSHEET

- I. All teachers use technology-related terms, concepts, data input strategies, and ethical practices to make informed decisions about current technologies and their applications.
- II. All teachers identify task requirements, apply search strategies, and use current technology to efficiently acquire, analyze, and evaluate a variety of electronic information.
- 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.
- IV. All teachers communicate information in different formats and for diverse audiences.
- 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.

Reference from TEA: <http://www.tea.state.tx.us/technology/ta/edstd.html#edstd1>

Reference from TCET: <http://www.tcet.unt.edu/START/teks/standard.htm>

Teacher Assessments:

<http://www.eisd.net/assessments/prep-for-assessments.htm>

<http://itls.saisd.net/tccp/framework.htm>

http://insight.southcentralrtec.org/ilib/sbec1_new/

<http://insight.southcentralrtec.org/instruments/>

<http://www.drchrismoersch.com/loti.html>

<http://www.floresville.isd.tenet.edu/staff/LoTi.htm>

<http://www.texasttcc.net/>

Texas Star Chart:

<http://starchart.esc12.net/>

Technology Applications Teacher Network:

<http://www.techappsnetwork.org/>

Online Professional Development Courses Addressing Teacher Standards I-V:

<http://ritter.tea.state.tx.us/technology/techapp/profdev/webclsk8.htm>

<http://ritter.tea.state.tx.us/technology/techapp/profdev/webclsal.htm>

Technology Applications Center for Educator Development (START):

<http://ritter.tea.state.tx.us/technology/techapp/index.html>

Technology Applications EC-12 Preparation Manual (TExES):

http://texes.ets.org/assets/pdf/testprep_manuels/142_techappec_12_55071_web.pdf

Technology Applications Standard For All Beginning Teachers

this file gives further information on expectations/objectives for each standard

http://www.sbec.state.tx.us/SBECOnline/standtest/standards/techapps_allbegtch.pdf

How can we assist teachers in acquiring the knowledge and skills that are specified in the Technology Applications Standard For All Beginning Teachers?

- **TIME** for Hands-on Practice - Relevant
- Access to the necessary **TOOLS**
- **Opportunities** to discover the possibilities of technology

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- Pre-Assessment of technology skills
- Needs Assessment
- Technology surveys
- Create a framework
- Administrator support (time off, substitutes, recognition)
- Problem-based approach - address specific needs and desired outcomes
- Project-based lessons
- Learning by Design
- Technology word of the day - email
- Mini Lessons (ethical practices, basic skills, search strategies, website evaluation, etc.)
- Further explanation of Acceptable Use Policy
- Webquests/Scavenger Hunts
- Specific Training: word processing, spreadsheets, database, multimedia, desktop publishing, email
- Online Discussions/Collaboration
- Make sure each teacher has a copy of the Tech App TEKS
- Training similar to Intel Teach to the Future curriculum where teachers leave with something they can use in the classroom (over an extended period of time)
- Tech Tips (daily, weekly)
- Content specific web resources (daily, weekly)
- Educational Technology website (resources, handouts, etc.)
- Tutorials on specifics - how to use Word to...
- Technology Fair/Showcase
- Web-based tutorials
- Video web presentations
- One on one tutorials
- Employee orientation
- Incentives (mini grants, recognition, tech rewards...)
- Classroom websites
- Tech Mentors
- Authentic technology professional development

