

Technology Standards for School Administrators

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They Moved the Cheese Again!

Introduction – How We Prepare Future Teachers

- Technology skills with a focus on technology integration
- Developing critical and reflective practitioners (software reviews, web reviews, reflective journals)
- Developing experience (lesson presentations, web page development)
- Developing collaboration (on line forums, research)
- Filling in the gaps: Grants, legal and ethical issues, assistive technology, web accessibility, technology planning

The Latest and Greatest!

- **BlackBoard**
- Smartboard (Teacher Prep Grants)
- Software
 - Office (Word, Excel, PowerPoint, Access, Publisher)
 - RubricMaker
 - Fonts4Teachers
 - Inspiration
 - WebWeaver and JPerk
 - PaintShop Pro
 - Geometer Sketchpad
 - Coming - TI Interactive, Lego Robotics

Background on the ISTE Standards

- ISTE - International Society of Technology in Education
- NCATE – National Council of Accreditation of Teacher Education
- NETS (National Educational Technology Standards) for students
- PT³ – Preparing Tomorrow's Teachers to use Technology
- TSSA – Technology Standards for School Administrators

The ISTE Standards Projects

- Technology Foundations for Students (NETS Project, June 1998)
- *Connecting Curriculum and Technology* (Fall 1999)
- Technology Standards for Teachers (PT³ Project, June 2000)
- Technology Standards for School Administrators (TSSA Project, Winter 2002)

NETS Foundation Standards for All Students

- Basic Operations and Concepts
- Social Ethical and Human Issues
- Technology Productivity Tools
- Technology Communication Tools
- Technology Research Tools
- Technology Problem Solving and Decision-making Tools

Performance Indicators

- Grades Pre K – 2
- Grade 3-5
- Grades 6-8
- Grades 9-12

Teacher Standards - Categories

- Technology Operations and Concepts
- Planning and Designing Learning Environments and Experiences
- Teaching, Learning, and Curriculum
- Assessment and Evaluation
- Productivity and Professional Practice
- Social, Ethical, Legal, and Human Issues

Profiles for Technology - Literate Teachers

- General preparation performance profile
- Professional preparation performance profile
- Student teaching/internship performance profile
- First-year teaching performance profile

Essential conditions

- Shared vision
- Access
- Skilled educators
- Professional development
- Technical assistance
- Content standards and curriculum resources
- Student-centered teaching
- Assessment
- Community support
- Support policies
- External Conditions (national, regional, and state policies & initiatives)

Technology Standards for School Administrators (TSSA)

- **Purpose:**
To develop a national consensus on Technology Standards for School Administrators.
- **The TSSA Collaborative includes:**
 - [American Association of School Administrators \(AASA\)](#)
 - [National Association of Elementary School Principals \(NAESP\)](#)
 - [National Association of Secondary School Principals \(NASSP\)](#)
 - [National School Board Association \(NSBA\)](#)
 - And Others

The TSSA Web Site

- <http://cnets.iste.org/tssa/>
- Contains information on the collaborative partners
- Full documents in PDF format can be downloaded
- Articles and other resources

The Standards Document

- A framework with 6 standards
- Performance indicators for each standard
- Role-specific technology leadership tasks describing different expectations in three distinct administrative roles (Superintendent, Program Director, Principal)

The Standards

- **I. Leadership and Vision:**
 - *Educational leaders inspire a shared vision for comprehensive integration of technology and foster an environment and culture conducive to the realization of that vision.*
- **II. Learning and Teaching:**
 - *Educational leaders ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies to maximize learning and teaching.*

The Standards

- **III. Productivity and Professional Practice:**
 - *Educational leaders apply technology to enhance their professional practice and to increase their own productivity and that of others.*
- **IV. Support, Management, and Operations:**
 - *Educational leaders ensure the integration of technology to support productive systems for learning and administration.*

The Standards

- **V. Assessment and Evaluation:**
 - *Educational leaders use technology to plan and implement comprehensive systems of effective assessment and evaluation.*
- **VI. Social, Legal, and Ethical Issues:**
 - *Educational leaders understand the social, legal, and ethical issues related to technology and model responsible decision-making related to these issues.*

Performance Indicators

- For each standard, a number of performance indicators are defined.
- For each list of performance indicators, role-specific leadership tasks are described for Superintendents, District Program Directors, and Principals
- An example (see handout)

Web Resources for Administrators

- Information Works! 2002
<http://www.infoworks.ride.uri.edu/2002/reports/>
- SALT Website
<http://www.ridoe.org/schoolimprove/salt/default.htm>
- eSchool News <http://www.eschoolnews.com>
- E-Rate Website <http://sl.universalservice.org/>
- ISTE Standards <http://cnets.iste.org>

Discussion

- How do the student NETS, teacher NETS, and TSSA come together?
- What are your needs?
- What can you share with other administrators?
- What can RWU do for you?
- What questions or concerns do you have?