Technology Standards for School Administrators

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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 (online 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 for 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 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.

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.

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)

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

An example (see handout)
Web Resources for Administrators

- Information Works! 2002
- SALT Website
  [http://www.ridoe.org/schoolimprove/salt/default.htm](http://www.ridoe.org/schoolimprove/salt/default.htm)
- eSchool News
  [http://www.eschoolnews.com](http://www.eschoolnews.com)
- E-Rate Website
- ISTE Standards
  [http://cnets.iste.org](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?