



# **Instructional Technology Specialists: Connecting All Stakeholders**

**International Society for Technology in Education**

**1710 Rhode Island Ave. N.W.**

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**Washington, DC 20036**

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***Presenter: Mila M. Thomas, Director of Strategic Initiatives***

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# Professional Organization

- **Mission Statement:** ISTE provides leadership and service to improve teaching and learning by advancing the effective use of technology in K–12 and teacher education.
- The trusted source in education technology for professional development, knowledge generation, and advocacy.
- ISTE represents more than 85,000 teachers, teacher educators, administrators, and decision makers.

# Kids of Today are Different and Learning must be Different, too!

Our educational system must take advantage of the digital resources available worldwide to enable students to become:

- Capable information technology users;
- Information seekers, analyzers, and evaluators;
- Problem solvers and decision makers
- Creative and effective users of productivity tools;
- Communicators, collaborators, publishers, and producers of knowledge products; and
- Informed, responsible, and contributing citizens.



# Establishing New Learning Environments

## **Traditional ----- Incorporating ----- New Environments New Strategies**

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<b>Teacher-centered instruction</b>	—————>	<b>Learner-centered environments</b>
<b>Single sense stimulation</b>	—————>	<b>Multisensory stimulation</b>
<b>Single path progression</b>	—————>	<b>Multipath progression</b>
<b>Single media</b>	—————>	<b>Multimedia; Hypermedia</b>
<b>Isolated work</b>	—————>	<b>Collaborative work</b>
<b>Information delivery</b>	—————>	<b>Information exchange, publication</b>
<b>Passive learning</b>	—————>	<b>Active/exploratory/inquiry-based learning</b>
<b>Factual/literal thinking</b>	—————>	<b>Critical thinking, informed decision-making</b>
<b>Reactive response</b>	—————>	<b>Proactive/planned action</b>
<b>Isolated, artificial context</b>	—————>	<b>Authentic, real world context</b>

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# **Role of the Instructional Technology Specialist**

- 1. Use Appropriate And Effective uses of Educational Technology To Shape School Reform**
- 2. Design and Deliver Relevant, Technology-Rich Professional Development**
- 3. Be Accountable, Skilled School Leadership in Educational Technology**
- 4. Increase Knowledge of Assessment Opportunities for Instructional Technology Activities and Programs**

# Role of the Instructional Technology Specialist

## 5. Stay current on Research in Education

i.e. CARET <http://caret.iste.org/>, **JRTE**

## 6. Advocate for Educational Technology

i.e. ETAN [www.edtechactionnetwork.org](http://www.edtechactionnetwork.org), **ISTE's Advocacy Toolkit: Making the Case for Educational Technology**

## 7. Leverage Resources

## 8. Create and/or Participate in school based and/or district technology teams

# NCATE and ISTE

## *Accountable, Skilled School Leadership in Educational Technology*

- NCATE (National Council for Accreditation of Teacher Education) acknowledges the ISTE NETS\*S and NET\*T as one of several components for effective methods of teaching and educational technology leadership.
- ISTE's program standards, approved by NCATE, include standards for programs for the 1) technology facilitator for a school or campus and 2) technology leadership that prepares technology directors for the school district, region, or state.

## Essential Conditions for Technology Integration

- **Shared Vision** with support and proactive leadership from the education system
- **Educators skilled** in the use of technology for learning
- **Content standards and curriculum** resources
- **Student-centered approaches** to learning
- **Assessment** of the effectiveness of technology for learning
- **Equitable Access** to contemporary technologies, software, and telecommunications networks
- **Technical assistance** for maintaining and using technology resources
- **Community** partners who provide expertise, support, and real-life interactions
- Ongoing **financial support** for sustained technology use
- **Policies** and standards supporting new learning environments

# Issues And Challenges Facing Instructional Technology Specialists

- As a school and/or district leader, are students in my environment being prepared to succeed in the workforce?
- How do I measure success? Should I? Where do I start?
- How should I build capacity? Who should be involved?
- Where do I go for funding?
- How do I keep up with emerging technologies?
- How can I keep my team involved with ongoing professional development?
- How do I utilize the National Educational Technology Standards for Students, Teachers, and Administrators?
- How do we begin to address Essential Conditions?



# Resources/References

International Society for Technology in Education

<http://www.iste.org>

ISTE's CARET (Center for Applied Research in Educational Technology)

A research-based tool for making informed decisions. Can be utilized to develop technology plans, recommend technology expenditures, and evaluate approaches to curriculum integration.

<http://caret.iste.org>

ISTE's Essential Conditions

<http://cnets.iste.org/docs/NETTPO.pdf>

National Educational Technology Standards

<http://cnets.iste.org>

Nation at Risk (April 1983) Recommendation B.8

<http://www.ed.gov/pubs/NatAtRisk/recomm.html>



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