How Are You Incorporating the ISTE Standards in your Educator Preparation Program?

Senate Bill 1839

Education Code Section 21.044 states:

All educator preparation program (EPP) candidates are to receive instruction in digital learning, including digital literacy evaluation, and that learning is aligned with the International Society for Technology in Education (ISTE) Standards for Educators.

ISTE Standards for Educators

University of St. Thomas

New course - taught for first time in Spring 2020 - junior cohort

Hands-on

Projects/topics in course:

- Digital Citizenship module
- Developing tool to evaluate digital resources
- Digital fabrication
- Creation of green screen video

- Professional Development
- STEM/computational thinking
- Augmented/virtual reality
- Authoring tools

UNIVERSITY OF ST. THOMAS

Trinity University (MAT Program)

Do not have a stand-alone, single course; components taught throughout the curriculum

Strongly considering requiring Google Certification (Level 1)

Piloting edTPA, which can address the last standard of Analyst

University of Houston-Clear Lake

Required course - Applications of Technology

Hands-on

Projects/topics in course:

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The University of Texas at Tyler

ISTE Standards embedded in the undergraduate educational technology course and across the six graduate courses.

Project based courses:

*EDUC 4321: Integrating Technology into the Classroom

EDCI 5334 - Learning Technologies & Disabilities

EDUC 5333 - Innovation, Science, and Technology Applications

EDUC 5351 - Assessment in Educational Settings

EDUC 5359 - Educational Technology

EDUC 5335- Current Trends in Educational Technology

EDCI 5332: Instructional Design for Effective Learning Environments

Examples of Incorporating Standards

- Pre and Post Evaluation
- Student Identification of Standards (Projects, ePortfolio)

Assessment Examples

[UT TYLER's ISTE Standard Based Assessment](#)

[Trinity University's Pre-Assessment of ISTE Stds](#)

- Required course for EC-6 Generalist, EC-6 Bilingual, Secondary, All Level Education Students
- Course design is based on:
  - ISTE standards
  - TEKS
  - PPR
  - Technology used by local school districts
- Hands-on activities
- Course Schedule

ISTE Standards Example Assignments

Validating Outcomes: Reducing Inflated Prescores

- If teacher education programs are to ensure teachers candidates are proficient in technology use it is essential there are valid and reliable assessments in place.
- Teacher candidates often inflate their abilities based on a lack of knowledge or expertise (Dunning, Johnson, Ehrlinger, & Kruger, 2003; Kruger & Dunning, 1999) or it is a case of "*they do not know what they do not know*".
- " Retrospective pre-tests appeared to control for response-shift bias and may be a cost-effective way to evaluate trainee change" (Thomas et al, 2018, p.191)

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