ISTE Standards for Educators Tech Talks

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  - Slides: t.ly/9pMW {case sensitive}
  - ISTE Standards for Educators.

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What are we doing?

- Introduction & Objective
- What are the ISTE standards?
- Why should I use ISTE-Educators?
- Breaking down the 7 standards.
- Advice, “Goodies”, Evaluation, and Questions.

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What are we learning?

"After this training, teachers will be able to apply the **ISTE Standards for Educators** to integrate technology in their classroom."

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What are the ISTE standards?

- The ISTE standards creates "high-impact, sustainable, scalable and equitable learning experiences for all learners".
- In over 20 years and adopted in all 50 U.S. states, the ISTE standards have been "using technology to learn, teach, lead and coach".

What Are The ISTE Standards? by ISTE.

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Why should I use ISTE-Educator?

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Why should I use ISTE-Educator?

- An opportunity for self-evaluation and reflection.
- Targeted PD guidelines that is by you and for you.
- Aligns (mostly) with ISTE standards for students.
  - 1 to 1: leader, citizen, designer, analyst, collaborator
  - Students: communicator and constructor
  - Educators: leader and facilitator

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Breaking down the 7 standards

1. Learner
2. Leader
3. Citizen
4. Collaborator
5. Designer
6. Facilitator
7. Analyst

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1) Learner

- Description: improve their practice to improve student learning.
- Sub-standard keywords: reflect, pursue interests, research.
- Resources: Google Classroom, Blogger, Wakelet.
- Application: **find a publication** to regularly subscribe to and share what you learned with others.

99 Excellent Open Access Journals for Educators by OnlineCollege.org

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2) Leader

- Description: lead to support student empowerment.
- Sub-standard keywords: vision, equity, modeling.
- Resource: The US 2017 National Education Technology Plan.
- “Key focus areas of effective leadership: collaborative leadership, personalized student learning, robust infrastructure, and personalized professional learning.”

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3) Citizen

- Description: inspire students to contribute and participate in the digital world.
- Sub-standard keywords: relationships, culture, protection.
- Resources: Twitter, Common Sense Education, Creative Commons.
- Application: participate in Twitter chats [#oklaed, 8pm CST Sun]
  - 44 Education Twitter Chats by ISTE.
  - Join a Twitter chat video.
  - Join a Twitter chat article.

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4) Collaborator

- Description: collaborate with colleagues and students.
- Sub-standard keywords: dedicate time, cultural competency.
- Resources: Zoom, Google Meet, Discord, Futurelink OK/Nepris.
- Application: encourage small group meets or chats or invite experts to talk with your students.

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5) Designer

- Description: design learner-driven activities and environments.
- Sub-standard keywords: personalized, needs, authentic.
- Resource: Technology integration frameworks like the Technology Integration Matrix.
- Application: use the TIM Instructional Planning Model to apply technology to lessons.

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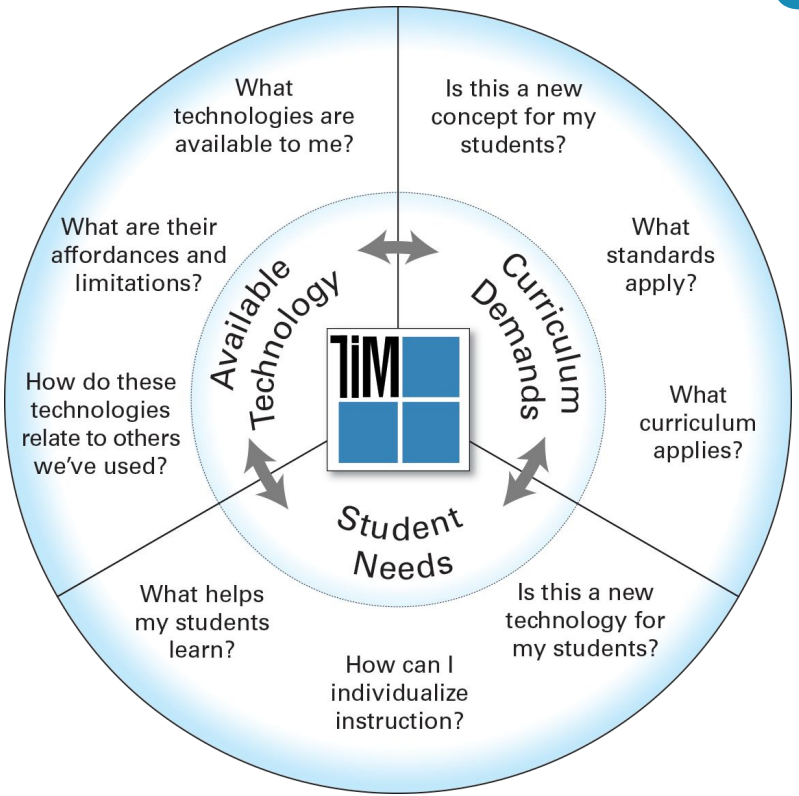
TIM Instructional Planning Model



Reproduced from: Harmes, J. C., Welsh, J. L., & Winkelman, R. J. (2016). A framework for defining and evaluating technology integration in the instruction of real-world skills. In S. Ferrara, Y. Rosen, & M. Tager (Eds.), Handbook of research on technology tools for real-world skill development (pp. 137-162). Hershey, PA: IGI Global.

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6) Facilitator

- Description: facilitate student achievement of ISTE standards.
- Sub-standard keywords: ownership, solve problems, creativity.
- Resources: ISTE Standards for Students.
- “The ISTE Standards describes the skills and knowledge they need to thrive, grow and contribute in a global, interconnected and constantly changing society.”

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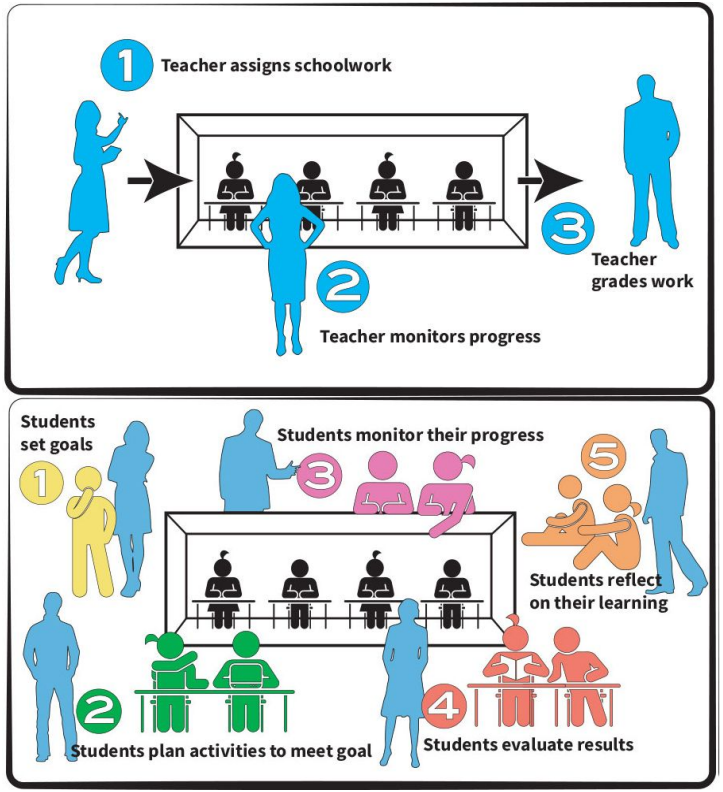
Teacher-centered to Student-centered



Modified image by Roy Winkelman from Florida Center for Instructional Technology.

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7) Analyst

- Description: use data to drive instruction.
- Sub-standard keywords: demonstrate competency, reflect, feedback, communicate, self-direction.
- Resources: Quizziz, Polleverywhere, and Nearpod.
- Application: analyze reports and share insights with students for review, goal setting, and differentiation.

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Starting Advice

- Start small.
- Rely on others.
- Be patient.

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ISTE Goodies

- ISTE Standards for Students by ISTE.
- ISTE Standards Full Video Playlist by ISTE.
- Refresh Your Teaching with the ISTE Standards for Students by Fanny Passeport of Common Sense Education.
- What Are ISTE Standards? (And Why Do They Matter?) by Chris Zook of Applied Educational Systems.
- Understanding the ISTE Standards for Teachers by Schoology.

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Tech Integration Goodies pt. 1

- Technology Integration Matrix (TIM) by Florida Center for Instructional Technology - compares 5 characteristics of meaningful learning environments to 5 levels of tech integration.
- TPACK Framework by Punya Mishra and Matthew J. Koehler of Michigan State University - analyzes the interaction between technological, pedagogical, and content knowledge.
- 2017 National Education Technology Plan by the US Office of Technology Education - national policy document.

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Tech Integration Goodies pt. 2

- SAMR Model by Dr. Ruben Puentedura - categorizes technology integration into a 4-level hierarchy organized from less to most complex level of integration.
- PIC-RAT Framework by Dr. Royce Kimmons - analyzes the intersection between students' and the teacher's role in technology.
- Triple E Framework by Liz Kolb - measures to what degree technology is being integrated into a lesson.

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Thank you!

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