EdTech & Instruction for 21st Century Skill Building

http://goo.gl/Pi1DOu
Hello!

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1. **Pedagogy & Technology**

Let’s start with the framework...
“The Framework presents a holistic view of 21st century teaching and learning that combines a discrete focus on 21st century student outcomes (a blending of specific skills, content knowledge, expertise and literacies) with innovative support systems to help students master the multi-dimensional abilities required of them in the 21st century and beyond.”
21st Century Standards

- Builds interdisciplinary understanding
- Emphasizes deeper understanding & allows for multiple measures of mastery
- Actively engages student

Requires that educators rethink activities & assessments to meet 21st Century needs
21st Century Teaching
New Literacies, Problem-Based Learning, and Innovation
Multimodal Instruction Enhances

Student Motivation  Collaboration  Interdisciplinary Foci

Motivating 21st century students requires the acknowledgement that learners make meaning in multiple ways, and associating a task as valuable requires students to make connections with various modes and mediums.

Tech in Education

BLOOM'S

Educator designs a task that targets a higher-order cognitive skill level

SAMR

Educator designs a task that has a significant impact on student outcomes

Redefinition
Tech allows for the creation of new tasks, previously inconceivable

Modification
Tech allows for significant task redesign

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Substitution
Tech acts as a direct tool substitute, with no functional change

http://www.hippasus.com/repweblog

Developed by Kathy Schrock
November 2013
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Inspired by the work of Andrew Churches and Loui Lord Nelson
Collaboration

How can EdTech enhance students’ collaborative skills?
Collaboration Works!

Check out how well collaboration works in the wild with this footage taken at Kruger National Park
Let's Collaborate

Click the image above to redirect to a collaborative Padlet
Student-Centered Pedagogy

Inquiry-Based Instruction

Active Learning Engagement
Why consider EdTech Tools in Instruction

Student Motivation
Use EdTech to engage students in activities that enhances students’ critical thinking

Collaboration
Create a learning environment that enables students to work and share with peers and instructors

Interdisciplinary Foci
Widen student knowledge by providing info that spans multiple contents
Core Subjects & Critical Thinking

**Citelighter**
A digital writing platform with built in citation, research, grading, badging, and chat features to aid organization & the writing process for clearer & more purposeful communication

**Newsela**
A advertisement-free current events nonfiction reading comprehension tool with in-text annotation, progress tracking features, and lexile-specific assignment options
CITELIGHTER: RETHINKING WRITING
Newsela: Reading for Today

Assigned on 09.17.14

**Pd 1 Eng 2 Adv**  "Cool" kids in middle school struggle in their 20s, study finds

- **Quiz Average**: 95%
- **Quiz Completion**: 23/26
- **Annotations**: 8/26
- **Viewed**: 23/26
- **Responses**: 0/26

Assigned on 09.17.14

**Pd 1 Eng 2 Adv**  Women get the OK to fight in combat units

- **Quiz Average**: 73%
- **Quiz Completion**: 25/26
- **Annotations**: 4/26
- **Viewed**: 25/26
- **Responses**: 0/26

Assigned on 09.12.14

**Pd 1 Eng 2 Adv**  Central America turmoil may be cause of child migrant surge

- **Quiz Average**: 64%
- **Quiz Completion**: 24/26
- **Annotations**: 8/26
- **Viewed**: 24/26
- **Responses**: 0/26
New Literacies & Learning Styles

How can EdTech meet the needs of 21st Century students?
“Mediums” of Understanding

Linguistic

Technological

Social

Learning “Metalanguages”

21st Century Meaning Making

- Auditory
- Gestural
- Spatial
- Linguistic
- Visual
- Multimodal
Multimodalities

Providing opportunities for multiliteracies, participatory culture, and innovation
Participatory Culture

What is Participatory Culture?
Pear Deck

Create interactive slides that enable students to participate, while teachers receive stored results.
SAMR-IZE Instruction!
Feedback for the Future

Career Paper Excerpt

As I look back on my time at [University Name], I realize how much I have grown. The classes I have taken have helped me develop not only my academic skills but also my interpersonal abilities. I have learned how to work effectively in teams and how to communicate my ideas clearly and persuasively.

The most memorable experience I had during my time at [University Name] was my internship at [Company Name]. I was able to apply the skills I learned in my classes to real-world situations, which was incredibly rewarding. It also helped me gain valuable experience that I can use in my future career.

In conclusion, I am grateful for the opportunities that [University Name] has provided me. I have learned so much and I am excited to see where my future takes me.
http://tinyurl.com/ELD15-9

Any questions?
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THANKS!
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