EdTech & Instruction for 21st Century Skill Building

http://goo.gl/Pi1DOu
Hello!

I am Natalie O’Neil

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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

Inter-disciplinary 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

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

SAMR

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

Transformation

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

BLOOM's

Creating
Evaluating
Analyzing
Applying
Understanding
Remembering

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

**Inter-disciplinary 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

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<th>Title</th>
<th>Quiz Average</th>
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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

About Me

Academic, Persuasive, Argumentative Writing
Engaging with Informational Texts
Narrative, Personal & Informal Writing
Projects, Presentations & Multimedia
Utilizing Research & Primary Sources

Feedback:

Enlarge the Page Titles so I can read them!

Criteria:

D. Organization and development

- How well organized, coherent, and developed is the presentation of ideas?

- Ideas have little organization; there may be a superficial structure. No coherence and development are lacking.

- The work does not reach a standard described by the descriptors below.

- There is a coherent understanding of the passage, demonstrated by persuasiveness and supported by effective interventions in the passage.

Career Paper Excerpt

As we do the job and set the boundaries in the area, we also have to take into account the safety and accessibility of the area. We need to make sure that the area is well-lit and that there are no obstacles that can hinder our progress. This is why we have to be careful when we walk around the area and make sure that we are not stepping on anything that can cause us harm.

We also have to be aware of the weather conditions. If it's too sunny, we have to wear protective clothing to avoid getting sunburned. If it's too cold, we have to wear warm clothing to avoid getting sick.

In addition, we need to be aware of the potential hazards in the area. We have to make sure that there are no electrical wires or gas lines that can cause an explosion. We also have to be aware of the presence of wildlife, such as snakes or bees, that can pose a threat to our safety.

Overall, the job requires a lot of attention to detail and a strong work ethic. We have to be able to work in all kinds of weather conditions and be able to adapt to the changing circumstances.

Natalie Vanpopt
Feedback/Share

http://tinyurl.com/ELD15-9

Any questions?

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THANKS!
Credits

Special thanks to all the people who made and released these awesome resources for free:

- Busy Icons by Olly Holovchenko
- Presentation template by SlidesCarnival
- Photographs by Unsplash
- Resources cited on each Slide