



INTEGRATING NEW LITERACIES &
TECHNOLOGY TOOLS INTO INSTRUCTION:
A PRACTICAL APPROACH

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Session Goals

- Understand the concept of new literacies
- Learn about the *SAMR Model* for tech integration
- Be introduced to some tech tools for use in the classroom

<https://www.youtube.com/watch?v=uqZiIO0YI7Y>

21st Century Skills

1. Critical Thinking and Problem-Solving
2. Collaboration Across Networks and Leading by Influence
3. Agility and Adaptability
4. Initiative and Entrepreneurialism
5. Accessing and Analyzing Information
6. Curiosity and Imagination
7. Effective Oral and Written Communication

Teaching New Literacies

- What should students know and be able to do to be effective researchers and writers of factual content?
 - *Deconstruction (reading)/Construction (writing)*
 - *Visual & auditory literacy*
- Critical autonomy – students must consider:
 - *Authorship*
 - *Format (and techniques of production)*
 - *Audience*
 - *Content (or message)*
 - *Purpose (or motive)*

Savvy Online Researching

- Know how to “read the grammar” of a URL (Uniform Resource Locator)
 - *Most written in Hypertext Markup Language (HTML)*
 - *Domain name & sub-domain names (moma.; support.microsoft.)*
 - *Top level domain (TLD) = .edu; .com; .tv. .gov; .k12, .ac, etc.*
 - *Country codes: .uk; .jp; .iq*

Savvy Online Researching

- Know that ***all*** domain names are purchased... so, .org is not always reliable
 - <http://www.martinlutherking.org/>
- Slashes (/) separate “folders” within the domain name (sandiegozoo.org/teachers/classroom_activities.html)
- *Truncate* the URL to find main host of the site:
 - *http://bigredhair.com/robots/index.html*

More Savvy Research Techniques

- Who owns this site?
 - www.easywhois.com/ (to find the owner)
 - www.archive.org/ (to find the history)
- Look for these cues for personal content
 - names (/jones/) (/marzano/)
 - tilde (~) = personal opinion
 - the words: users, people, members
- Who links to this site? Are they recognized authorities?
 - *Check links to pages in Google: [link: URL]*

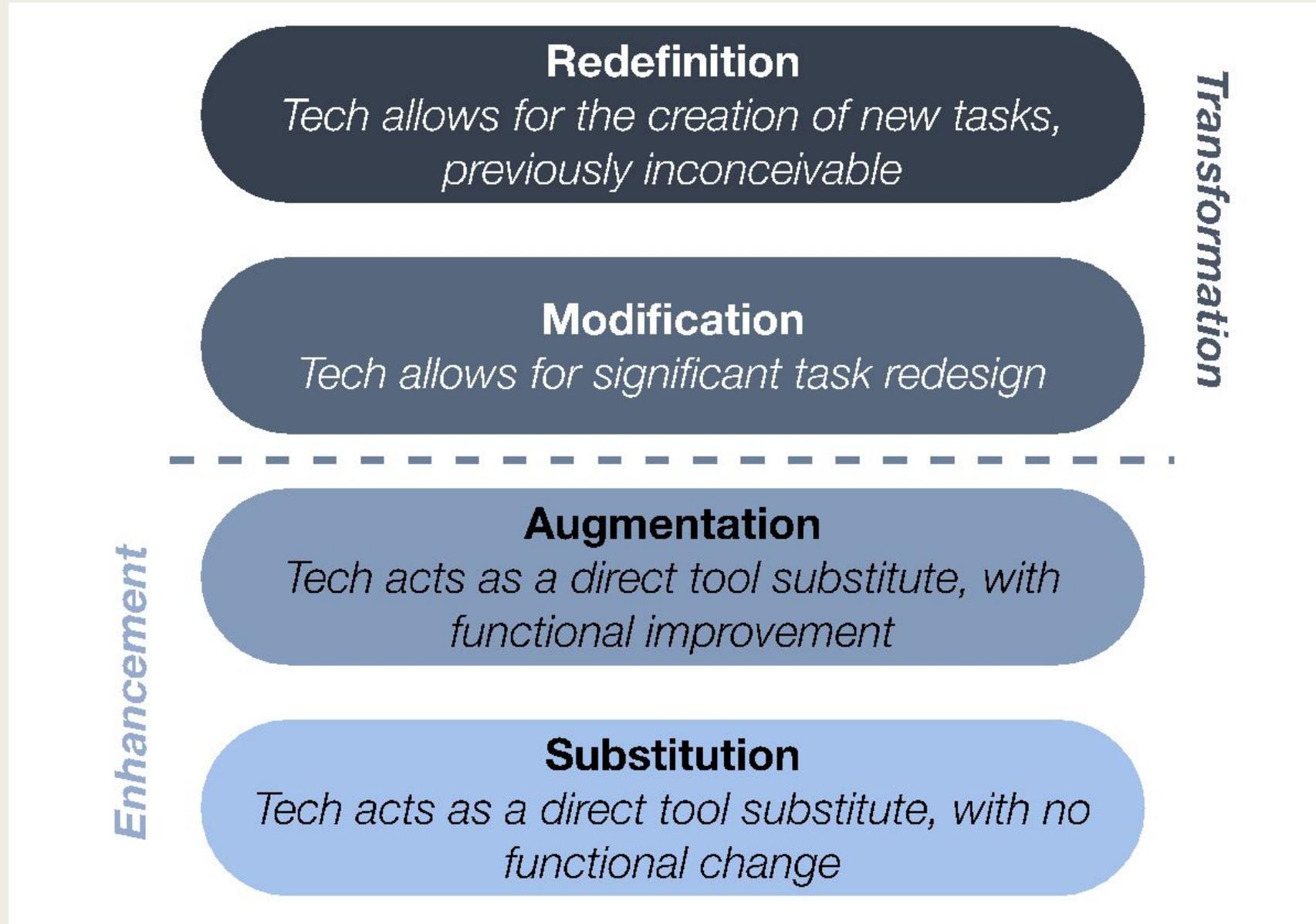
Try This:

- Research Question: What is the diameter of the earth?
 - *Depending on which site you choose, you'll get somewhat different answers*
 - *Site #1: 7,926.41 miles*
 - *Site #2: 12,756 km*
 - *Site #3: 12,756.3 km*
 - *Site #4: 7,900 miles*
 - *What are some possible reasons for these differences?*
- Check out these sites and determine their validity:
 - <http://www.umbachconsulting.com/miscellany/velcro.html>
 - <http://zapatopi.net/treeoctopus/>

Know Your Search Engines

- Google: reports results by overall popularity
- Answers.com: results pull from reference materials
- Ask.com: results ranked by experts in a particular field
- Google Scholar
 - <http://scholar.google.com/>
- NASA
 - <http://www.nasa.gov/>
- U.S. National Archives
 - <http://www.archives.gov/>
- National Geographic
 - <http://nationalgeographic.com/>

The SAMR Model



SAMR Reflective Questions: Substitution & Augmentation

■ Substitution:

- *What will I gain by replacing the older technology with the new technology?*

■ Augmentation:

- *Have I added an improvement to the task process that could not be accomplished with the older technology at a fundamental level?*
- *How does this feature contribute to my design?*

SAMR Reflective Questions: Modification & Redefinition

■ Modification:

- *How is the original task being modified?*
- *Does this modification fundamentally depend upon the new technology?*
- *How does this modification contribute to my design?*

■ Redefinition:

- *What is the new task?*
- *Will any portion of the original task be retained?*
- *How is the new task uniquely made possible by the new technology?*
- *How does it contribute to my design?*

Learning Management Systems

(Augmentation, Modification & Redefinition)

- Canvas
 - *Enables online collaboration, audio feedback, small group conferences*
- Canvas Example: [ACUE's](#) Course in Effective teaching Practices

Digital Storytelling (Modification or Redefinition)

- Combining the art of telling stories with some mixture of digital graphics, text, recorded audio narration, video and music to present information on a specific topic.

Digital Storytelling Tools

- Tools:
 - *<http://digitalstorytelling.coe.uh.edu/>*
 - *Use iMovie or*
 - *Windows Live Movie Maker*
<http://explore.live.com/windows-live-movie-maker>
 - *WeVideo: <https://www.wevideo.com/>*
 - *Animoto: <http://animoto.com/>*

Animated Digital Stories

- Digital Films:

- <http://www.digitalfilms.com/index.php>

- Go Animate:

- <http://goanimate.com/>

- Plotagon:

- <https://plotagon.com/>

Audio/Visual Feedback Tools (Augmentation, Modification)

- Jing:
 - <http://www.jingproject.com/features/>
- Screencastomatic:
 - <http://www.screencast-o-matic.com/>
- Kaizena:
 - <https://kaizena.com/>

Useful Apps & Sites (Augmentation, Modification or Redefinition)

Polling :

- [Socrative](#)
 - <http://www.socrative.com/>
- Kahoot!
 - <https://kahoot.it/#/>
- Sli.do
 - <https://www.sli.do/>
- Plickers:
 - <https://plickers.com/>

Reminders & Study Tools

- Remind
 - <https://www.remind.com/>
- Quizlet
 - <https://quizlet.com/>

Wordclouds, Timelines & Mind-mapping

- Wordle (Modification):

- <http://www.wordle.net/>

- Tagxedo (Modification):

- <http://www.tagxedo.com/>

- Online Timelines (Modification or Redefinition):

- <http://www.tiki-toki.com/>

- Mind Mapping Tools (Augmentation or Modification):

- <https://bubbl.us/>

- <https://www.lucidchart.com>

Thank You!

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