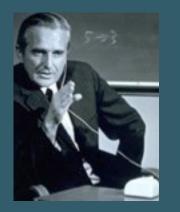
## From Context to Frameworks to Practice: A Toolkit for Informed Leadership

Ruben R. Puentedura, Ph.D.

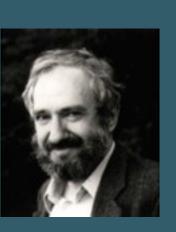
## Goals Focus Models



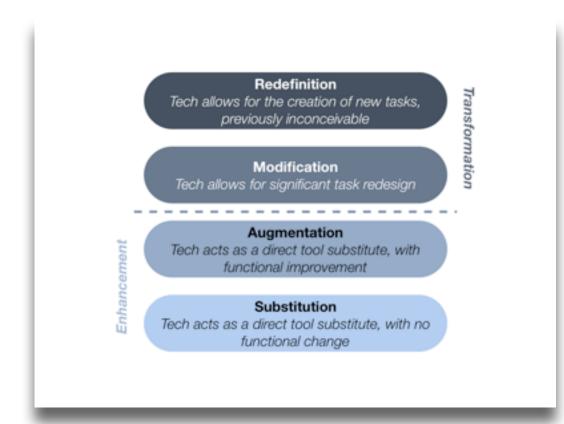


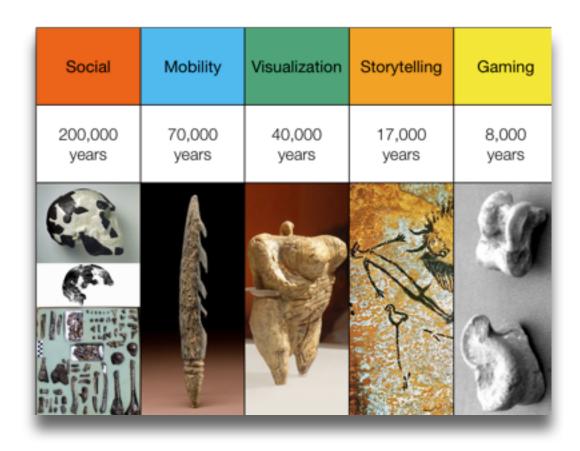
### Augmenting Human Intellect & Learning Capacity

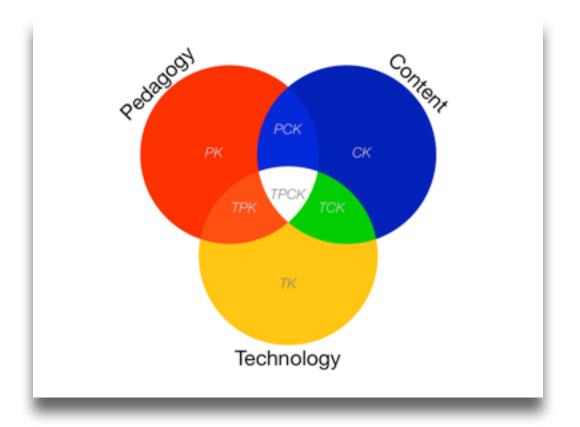




#### 21st Century Learning







#### One-to-One Technologies

# ransformation

#### 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 allows for the creation of new tasks, previously inconceivable

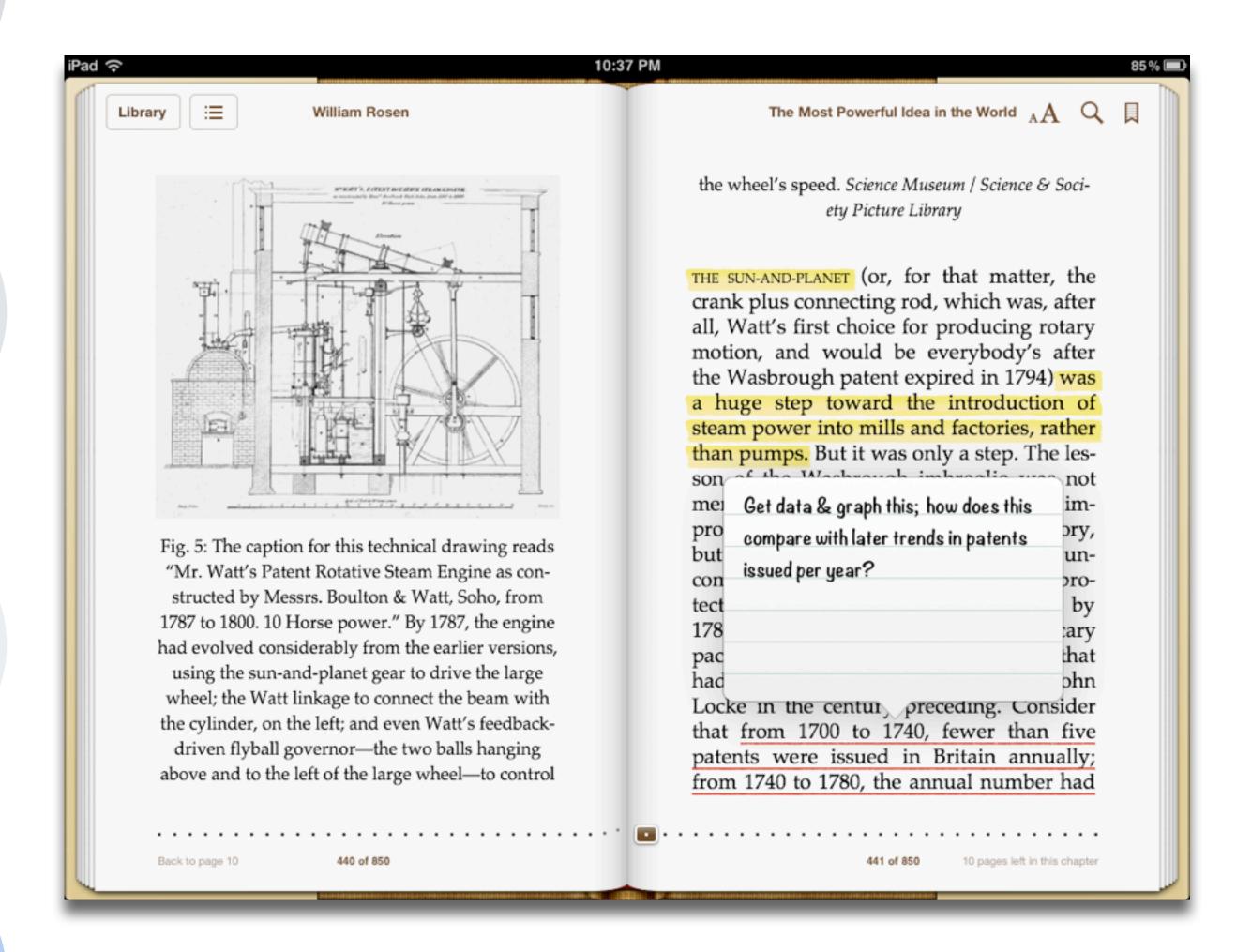
#### Modification

Tech allows for significant task redesign

#### Augmentation

Tech acts as a direct tool substitute, with functional improvement

#### **Substitution**



Tech 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 allows for the creation of new tasks, previously inconceivable

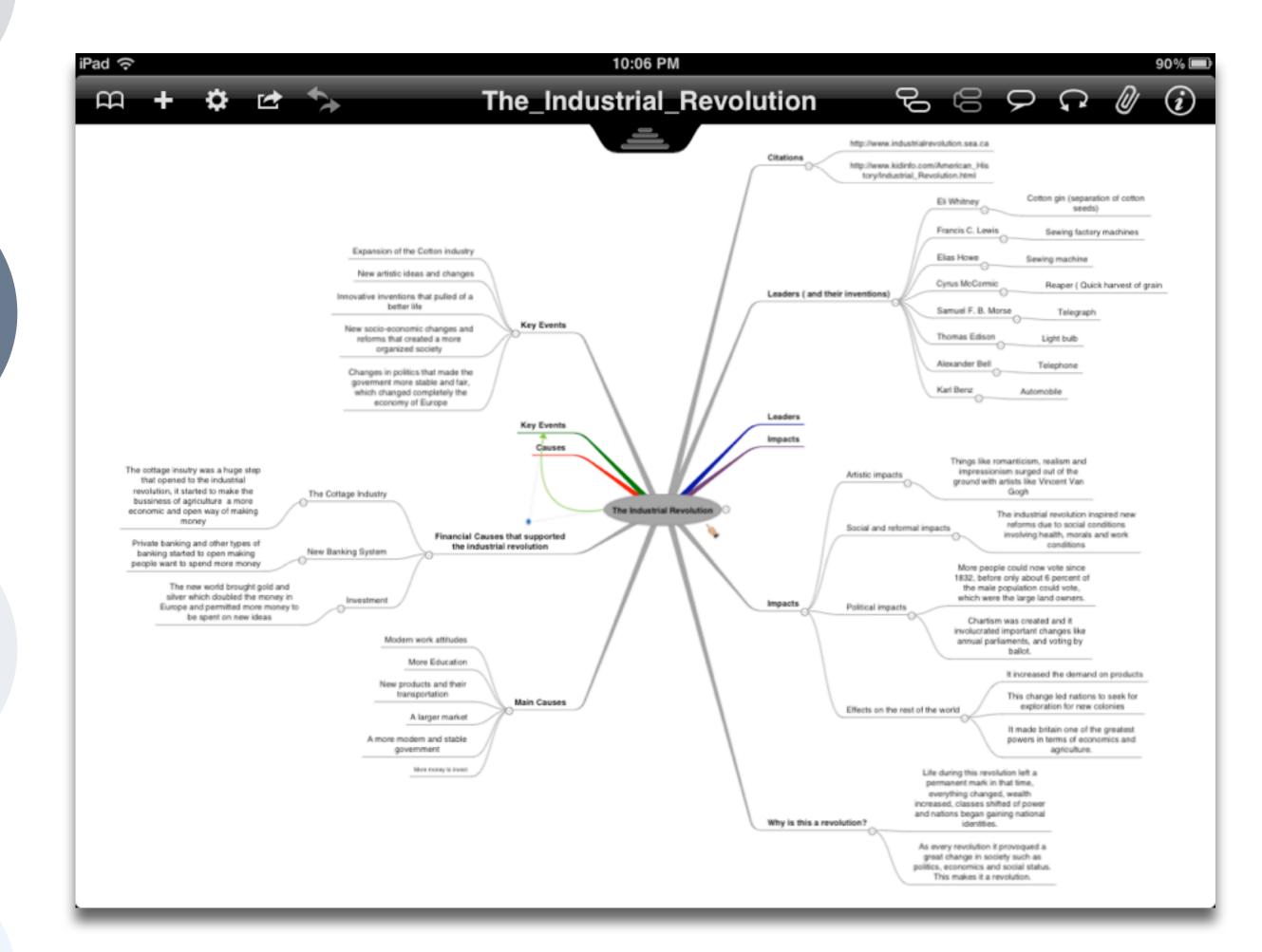
#### Modification

Tech allows for significant task redesign

#### Augmentation

Tech acts as a direct tool substitute, with functional improvement

#### Substitution



Tech allows for the creation of new tasks, previously inconceivable

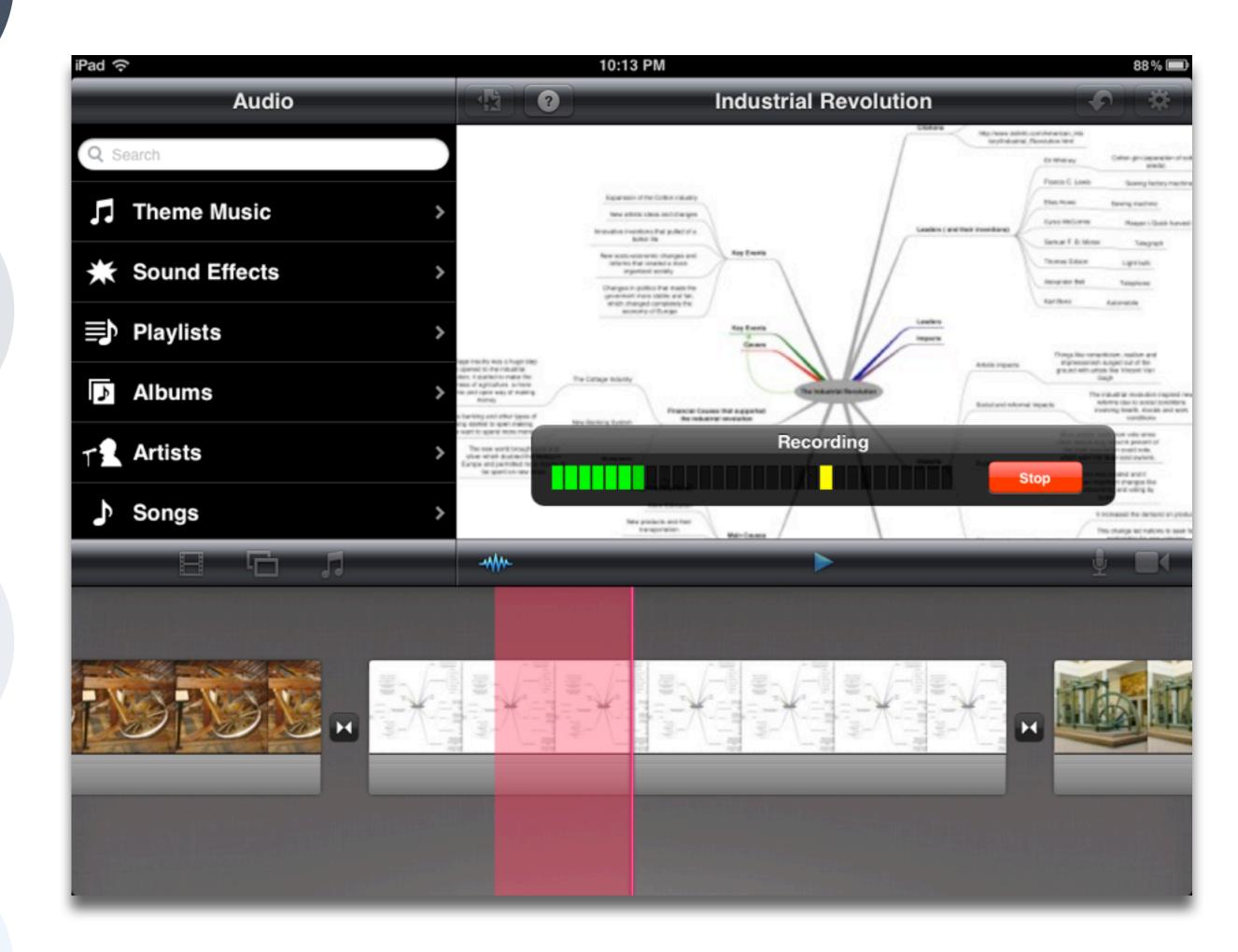
#### Modification

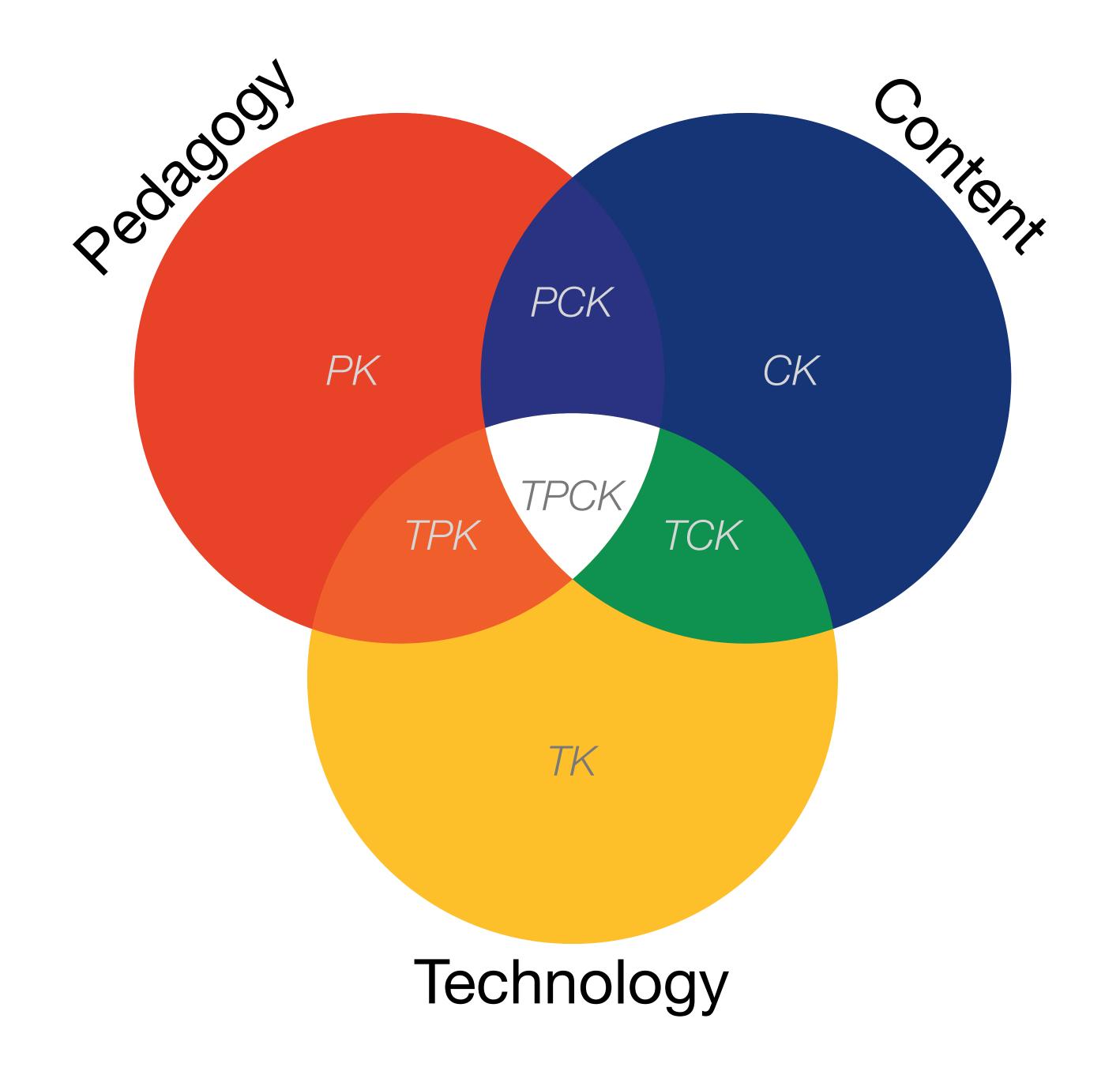
Tech allows for significant task redesign

#### Augmentation

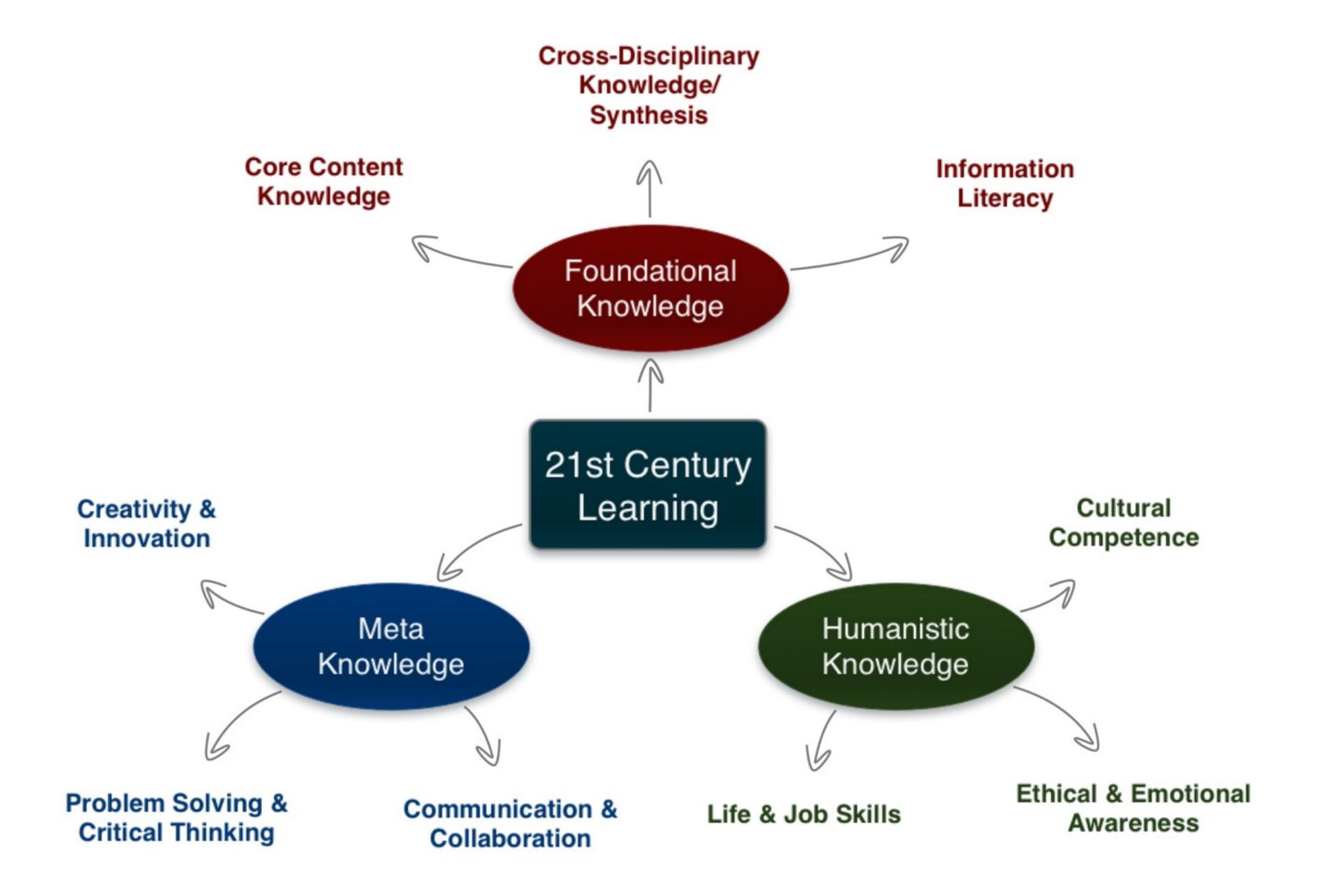
Tech acts as a direct tool substitute, with functional improvement

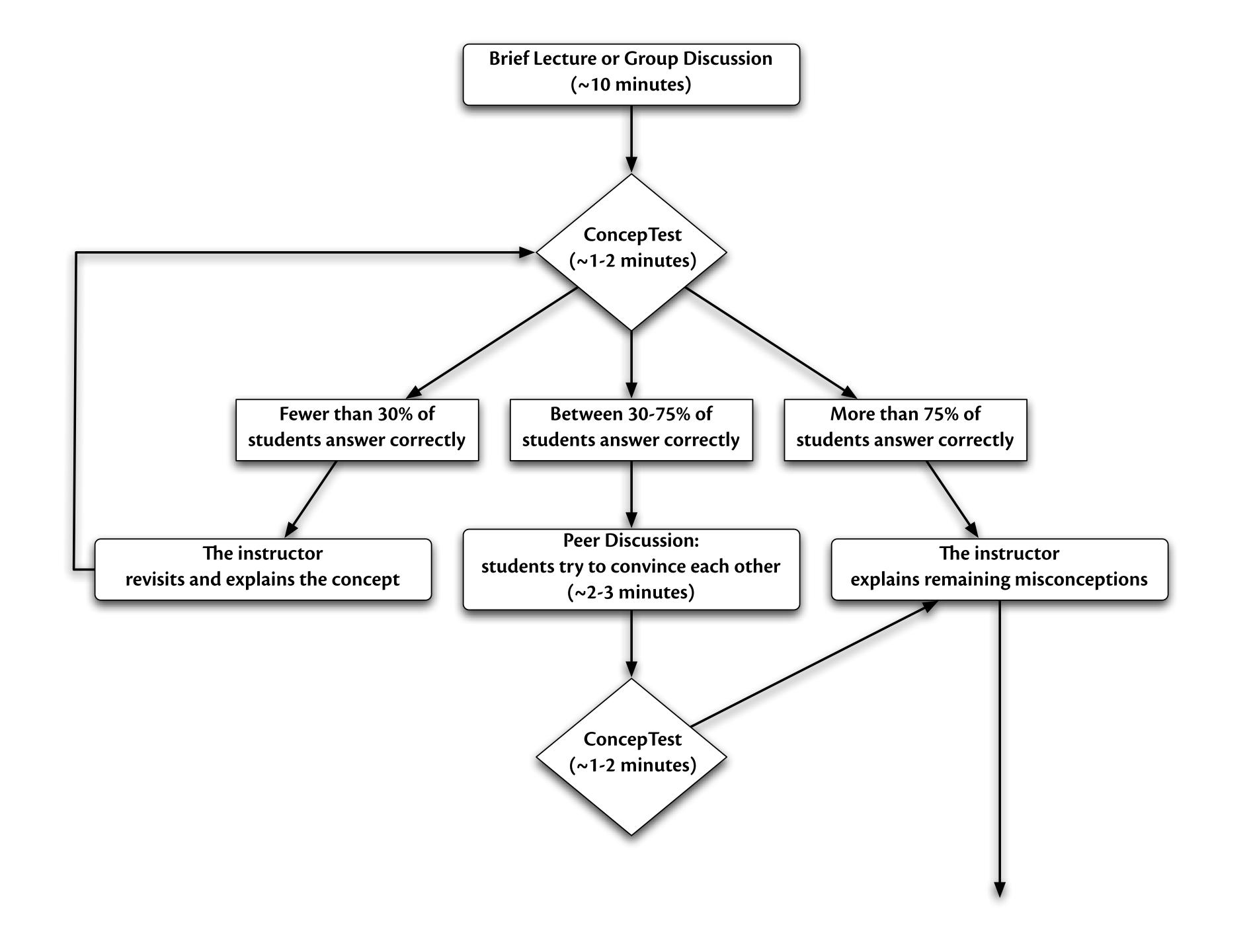
#### Substitution





Social	Mobility	Visualization	Storytelling	Gaming
200,000 years	70,000 years	40,000 years	17,000 years	8,000 years





Tech allows for the creation of new tasks, previously inconceivable

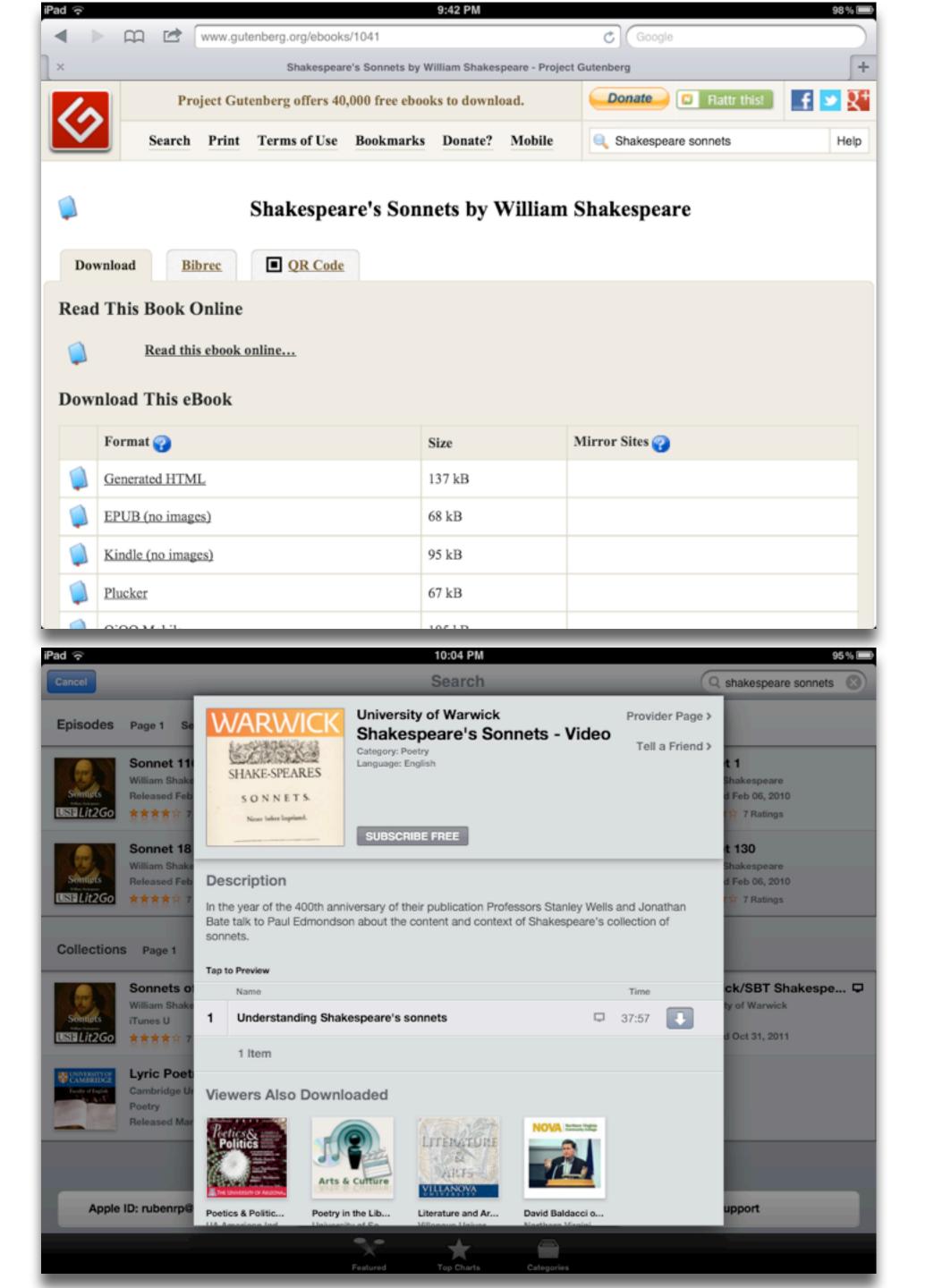
#### Modification

Tech allows for significant task redesign

#### Augmentation

Tech acts as a direct tool substitute, with functional improvement

#### **Substitution**



Tech 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 allows for the creation of new tasks, previously inconceivable

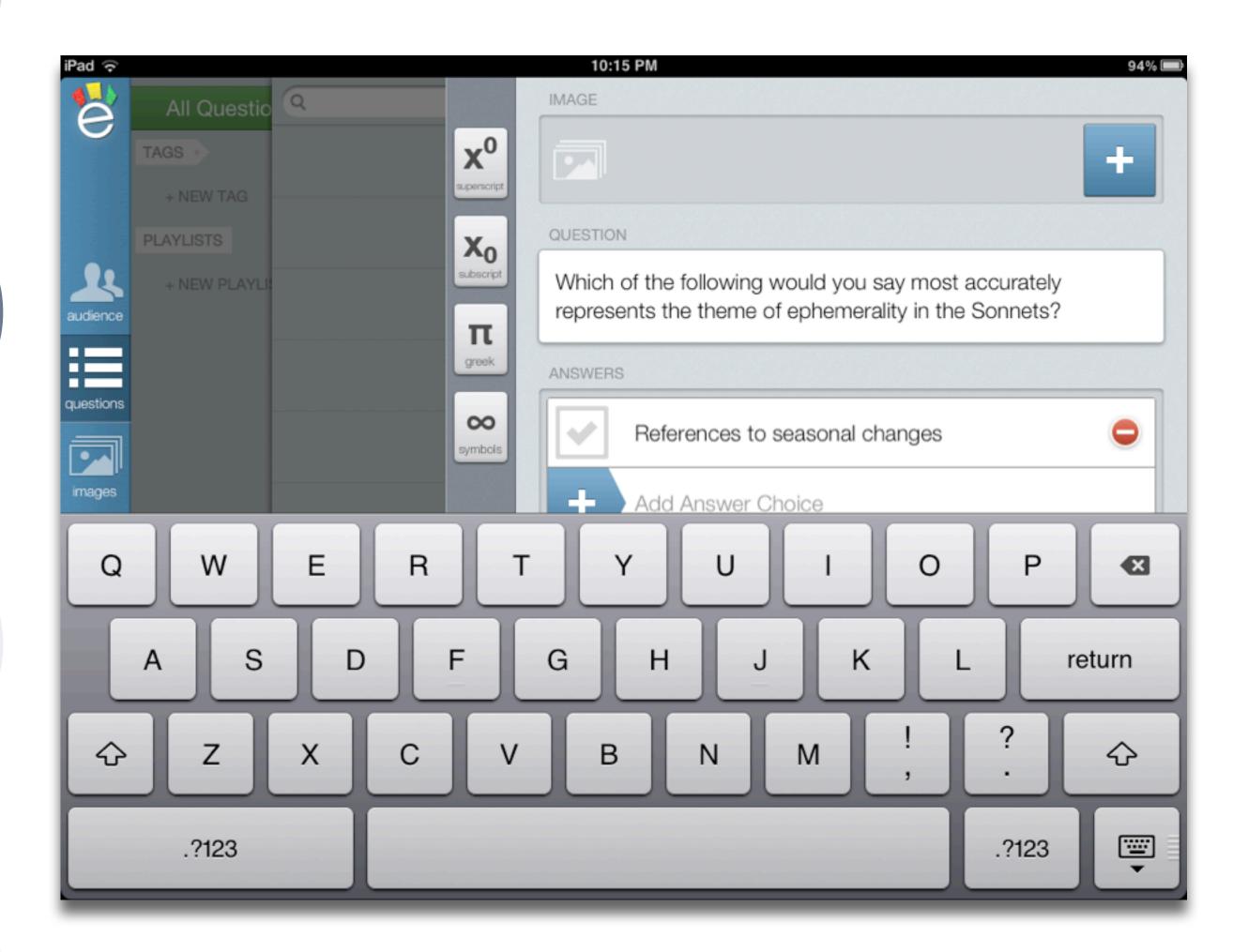
#### Modification

Tech allows for significant task redesign

#### Augmentation

Tech acts as a direct tool substitute, with functional improvement

#### Substitution



Tech allows for the creation of new tasks, previously inconceivable

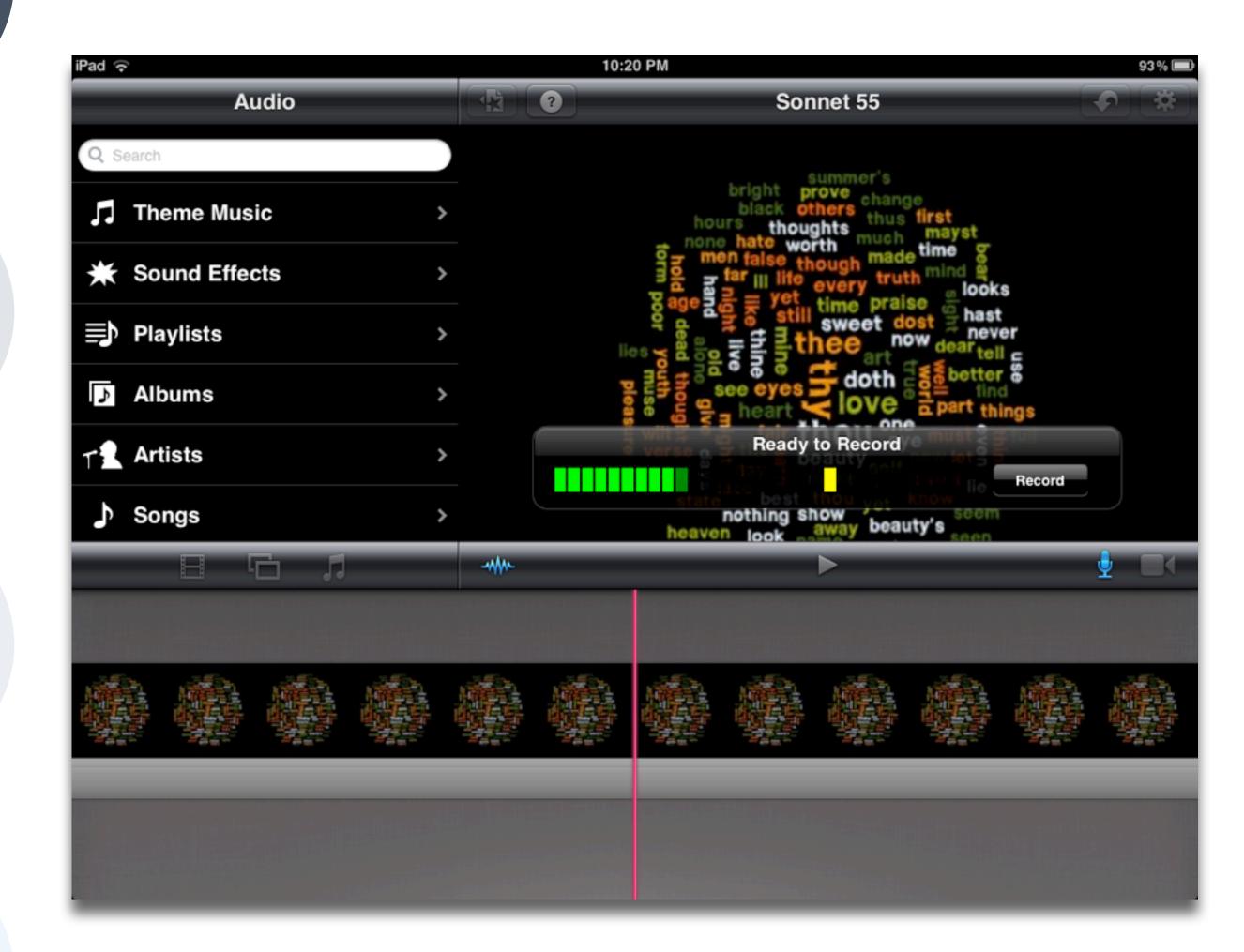
#### Modification

Tech allows for significant task redesign

#### Augmentation

Tech acts as a direct tool substitute, with functional improvement

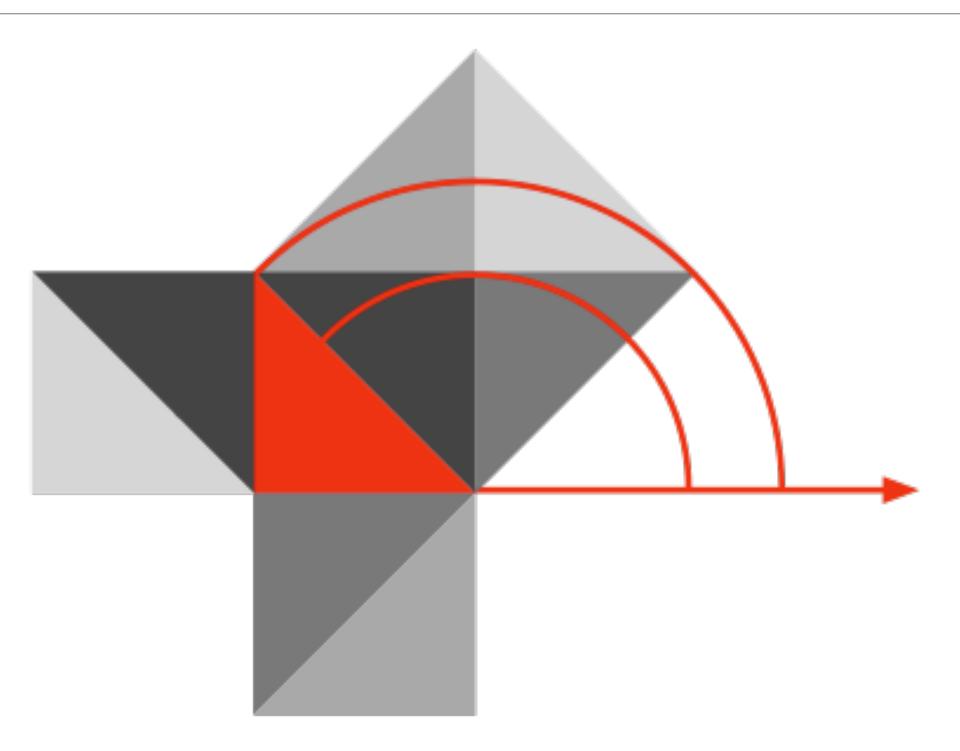
#### Substitution



#### Resources

- Vannevar Bush, "As We May Think". *The Atlantic Monthly*. (July 1945) Online at: http://www.theatlantic.com/magazine/archive/1969/12/as-we-may-think/3881/
- Douglas C. Engelbart, A Research Center for Augmenting Human Intellect. (December 1968 live demo) Archived online at: http://sloan.stanford.edu/mousesite/1968Demo.html
- Alan Kay, "A Personal Computer for Children of All Ages". *Proceedings of the ACM National Conference*. Boston (August 1972) Online at: http://www.mprove.de/diplom/gui/Kay72a.pdf
- Seymour Papert, "On Making a Theorem for a Child". *Proceedings of the ACM National Conference*. Boston (August 1972) Online at: http://portal.acm.org/citation.cfm?id=569942
- Ruben R. Puentedura, *Transformation, Technology, and Education*. (2006) Online at: http://hippasus.com/resources/tte/
- Ruben R. Puentedura, *As We May Teach: Educational Technology, From Theory Into Practice*. (2009) Online at: http://tinyurl.com/aswemayteach
- Punya Mishra & Matthew J. Koehler, "Technological pedagogical content knowledge: A framework for teacher knowledge". Teachers College Record, 108(6). (2006) Online at: http://mkoehler.educ.msu.edu/OtherPages/Koehler\_Pubs/TECH\_BY\_DESIGN/TCRecord/mishra\_koehler\_tcr2006.pdf
- TPCK Technological Pedagogical Content Knowledge. Online at: http://tpack.org
- AACTE (Eds.) The Handbook of Technological Pedagogical Content Knowledge for Educators. Routledge. (2008)
- Ruben R. Puentedura, "Technology In Education: The First 200,000 Years" *The NMC Perspective Series: Ideas that Matter*. NMC Summer Conference. (2012) Online at: http://www.youtube.com/watch?v=NemBarqD6qA
- Punya Mishra and Kristen Kereluik, "What is 21st Century Learning? A review and synthesis." Paper submitted to the SITE2011 Conference. (2011) Online at: http://punya.educ.msu.edu/publications/21stCenturyKnowledge\_PM\_KK.pdf
- Punya Mishra and Kristen Kereluik, "What is 21st Century Learning? A review and synthesis." SITE2011 Conference Presentation. (2011) Online at: http://punya.educ.msu.edu/presentations/site2011/SITE 2011 21st Century.pdf
- Eric Mazur, Peer Instruction A User's Manual. Prentice Hall. (1997)

#### Hippasus



Blog: http://hippasus.com/rrpweblog/

Email: rubenrp@hippasus.com

Twitter: @rubenrp

This work is licensed under a Creative Commons Attribution-Noncommercial-Share Alike 3.0 License.

