From Curiosity to Creation: Learning in a Participatory Culture

Ruben R. Puentedura, Ph.D.

Redefinition

Tech allows for the creation of new tasks, previously inconceivable

Modification

Tech allows for significant task redesign

Transformation

Augmentation

Tech acts as a direct tool substitute, with functional improvement

Substitution

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

Enhancement

Ruben R. Puentedura, *As We May Teach: Educational Technology, From Theory Into Practice*. (2009)

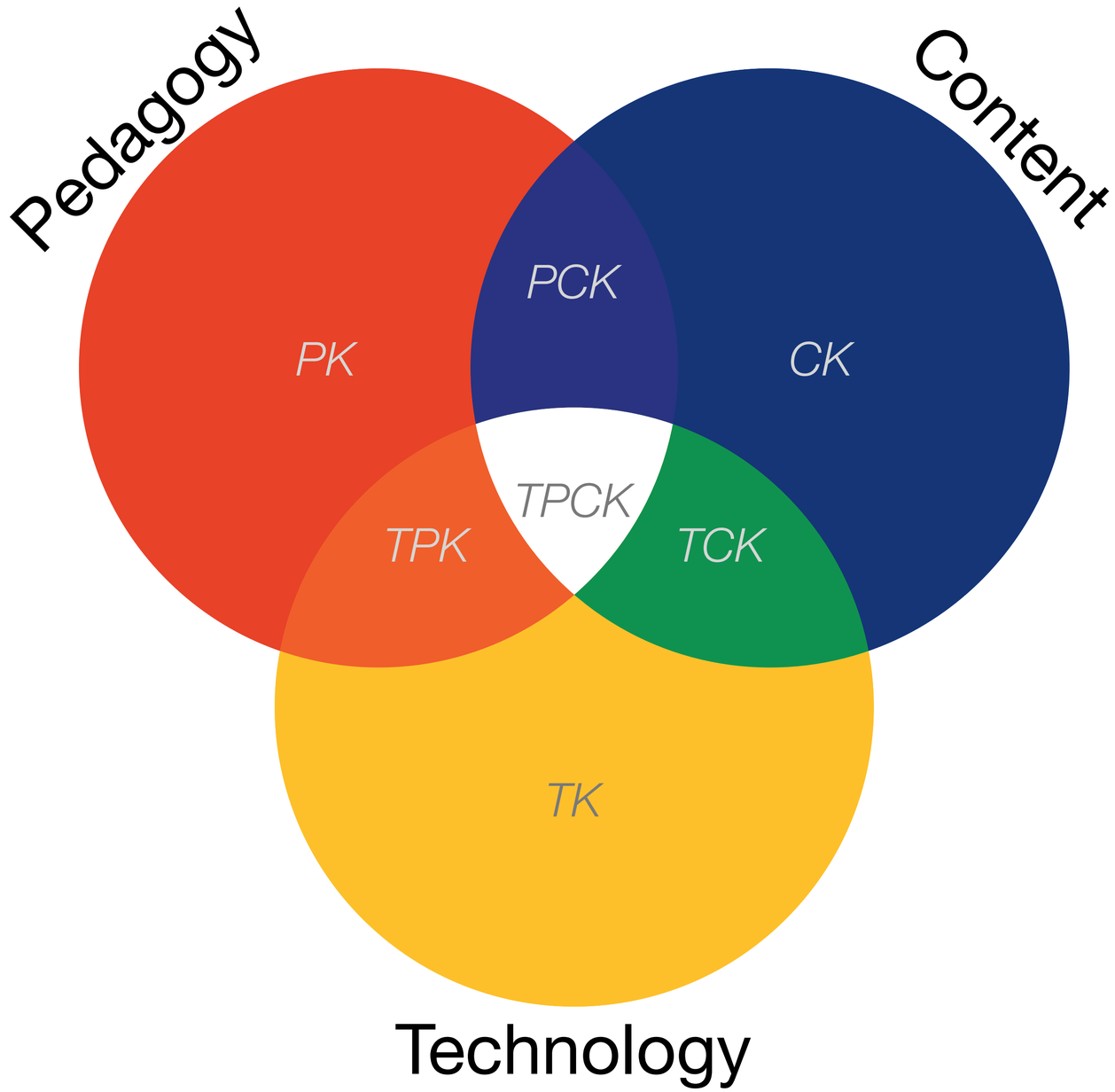
Participatory Culture

- **Forms:**
  - Affiliations
  - Expressions
  - Collaborative Problem-solving
  - Circulations

- **New Literacies, Requiring New Skills:**
  - Play – Performance – Simulation – Appropriation – Multitasking – Distributed Cognition – Collective Intelligence – Judgment – Transmedia Navigation – Networking – Negotiation

- **Associated Concerns:**
  - The Participation Gap
  - The Transparency Problem
  - The Ethics Challenge

H. Jenkins et al. – Confronting the Challenges of Participatory Culture: Media Education for the 21st Century. The MacArthur Foundation (2009)



Punya Mishra & Matthew J. Koehler, “Technological pedagogical content knowledge: A framework for teacher knowledge”. *Teachers College Record, 108*(6). (2006)

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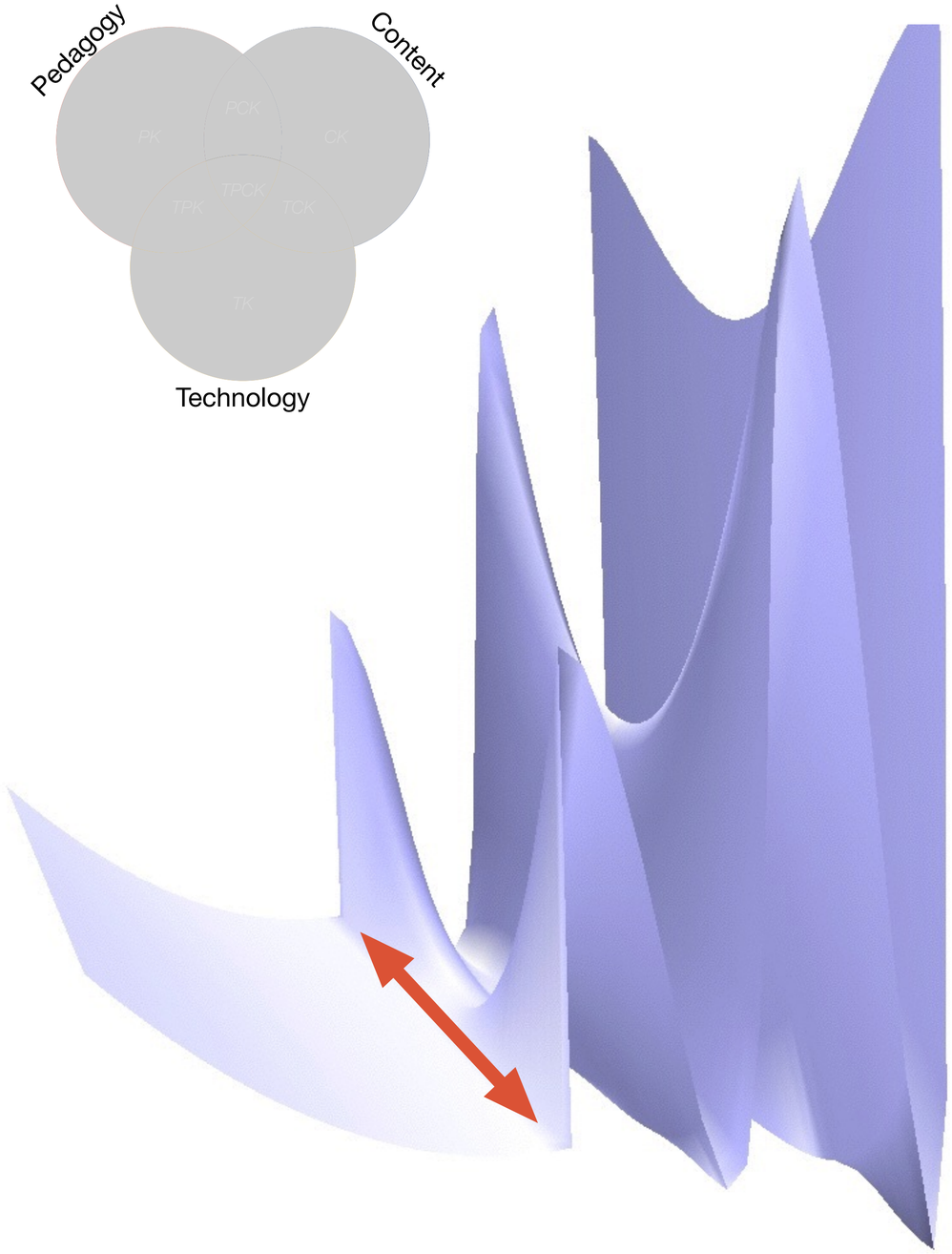

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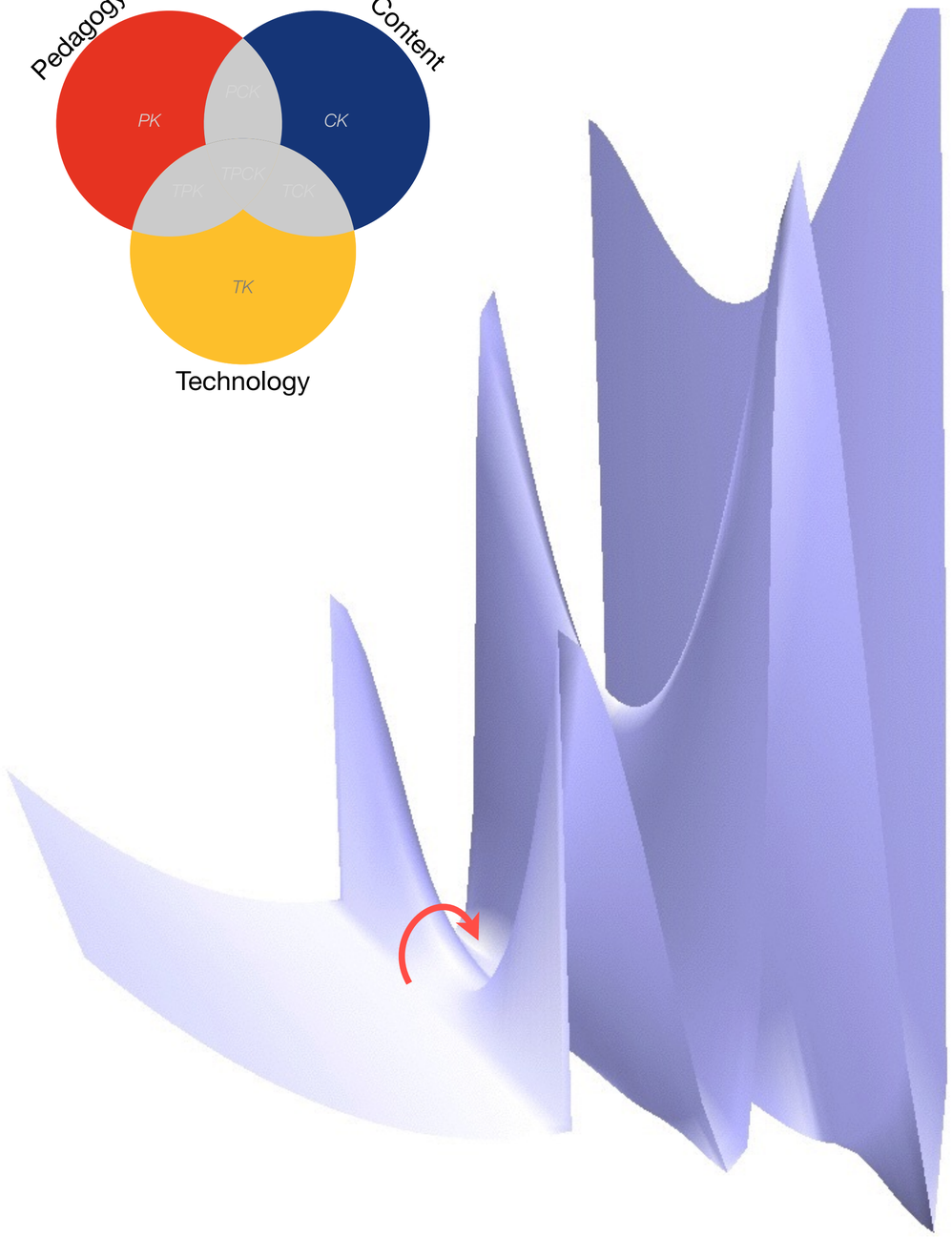

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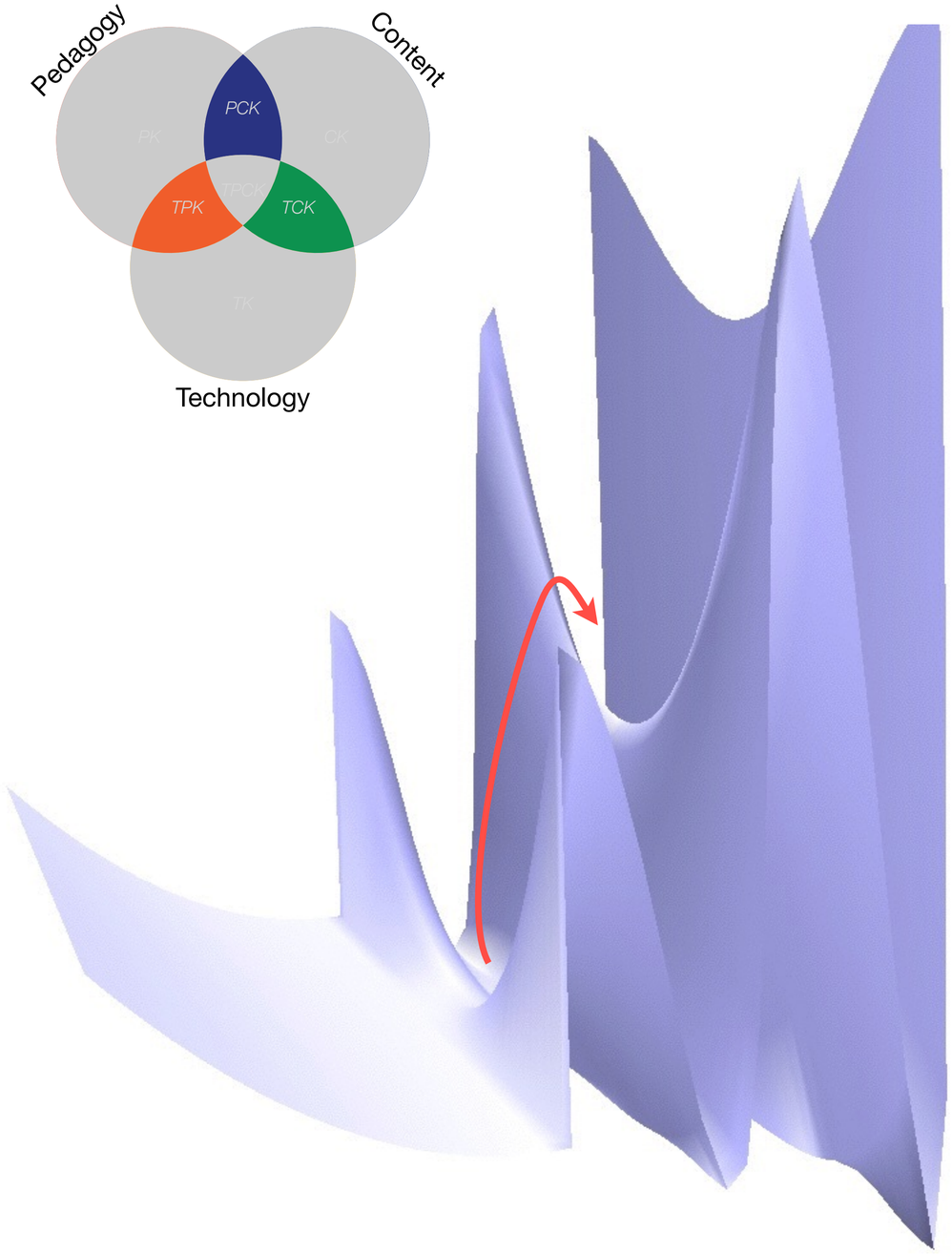

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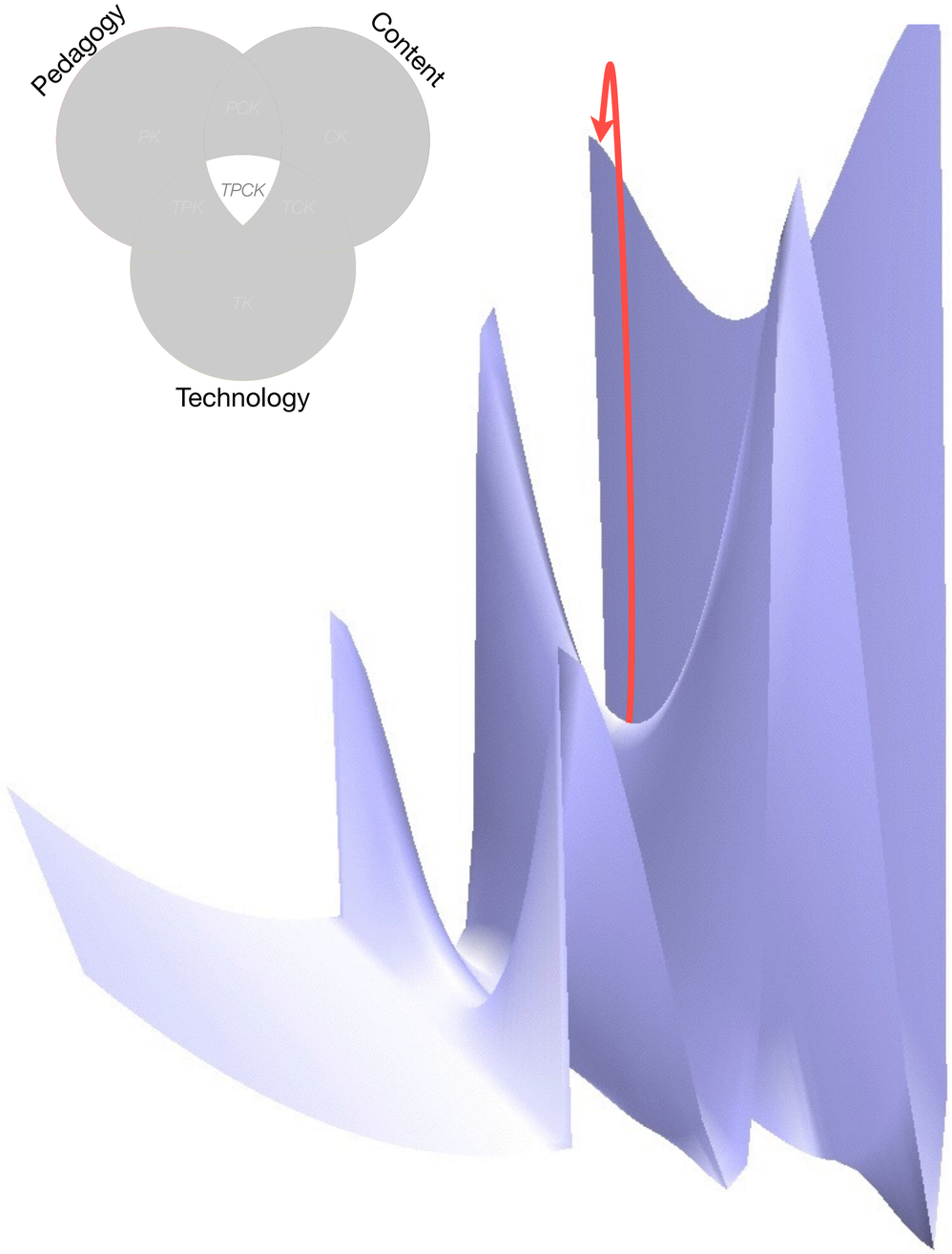
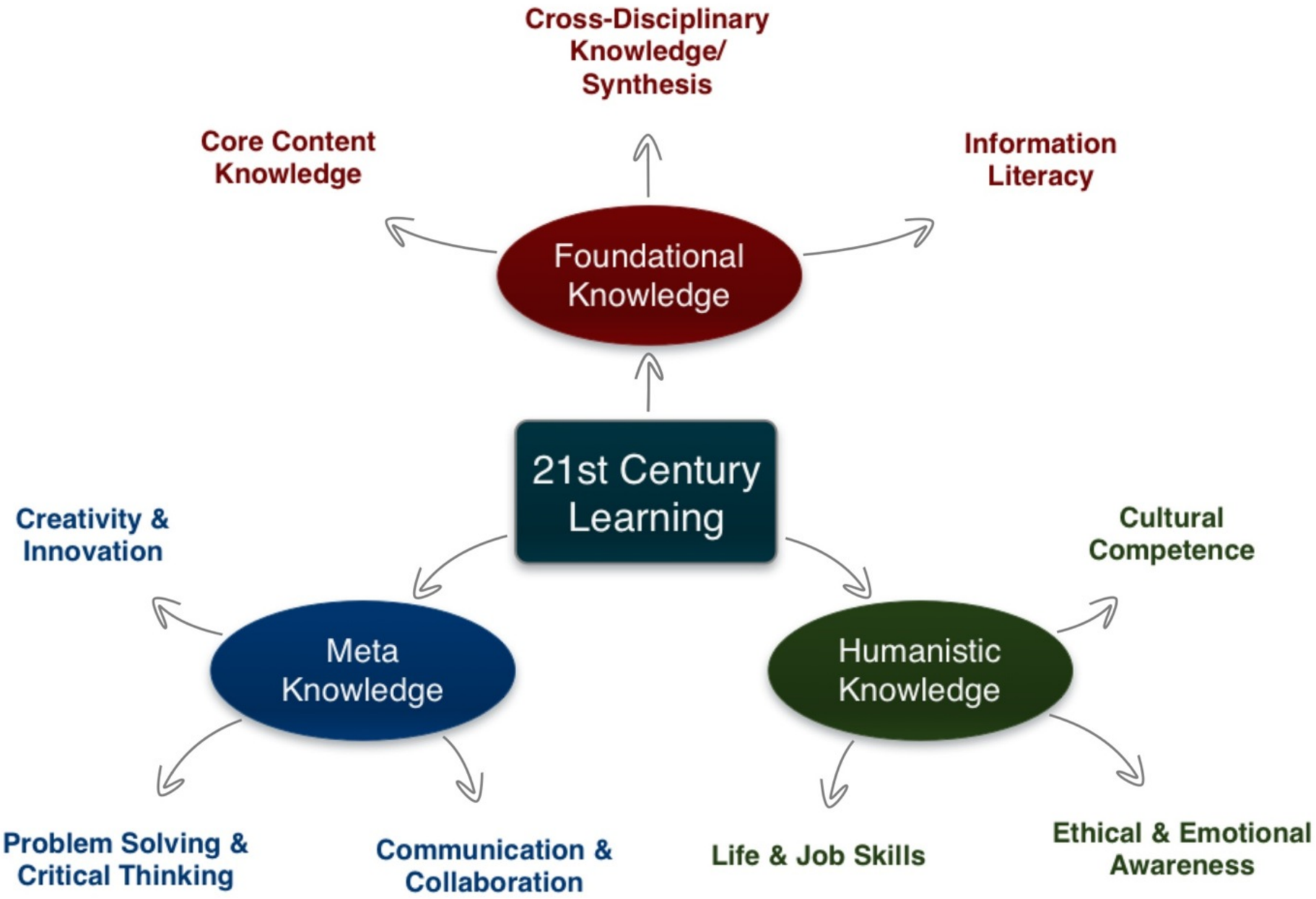


Social	Mobility	Visualization	Storytelling	Gaming
200,000 years	70,000 years	40,000 years	17,000 years	8,000 years

Ruben R. Puentedura, “Technology In Education: The First 200,000 Years” *The NMC Perspective Series: Ideas that Matter*. NMC Summer Conference, 2012.



Kristen Kereluik, Punya Mishra, Chris Fahnoe, and Laura Terry, "What Knowledge Is of Most Worth: Teacher Knowledge for 21st Century Learning". *Journal of Digital Learning in Teacher Education (29)* 4 (2013)

Pen Created by Andy McKiel

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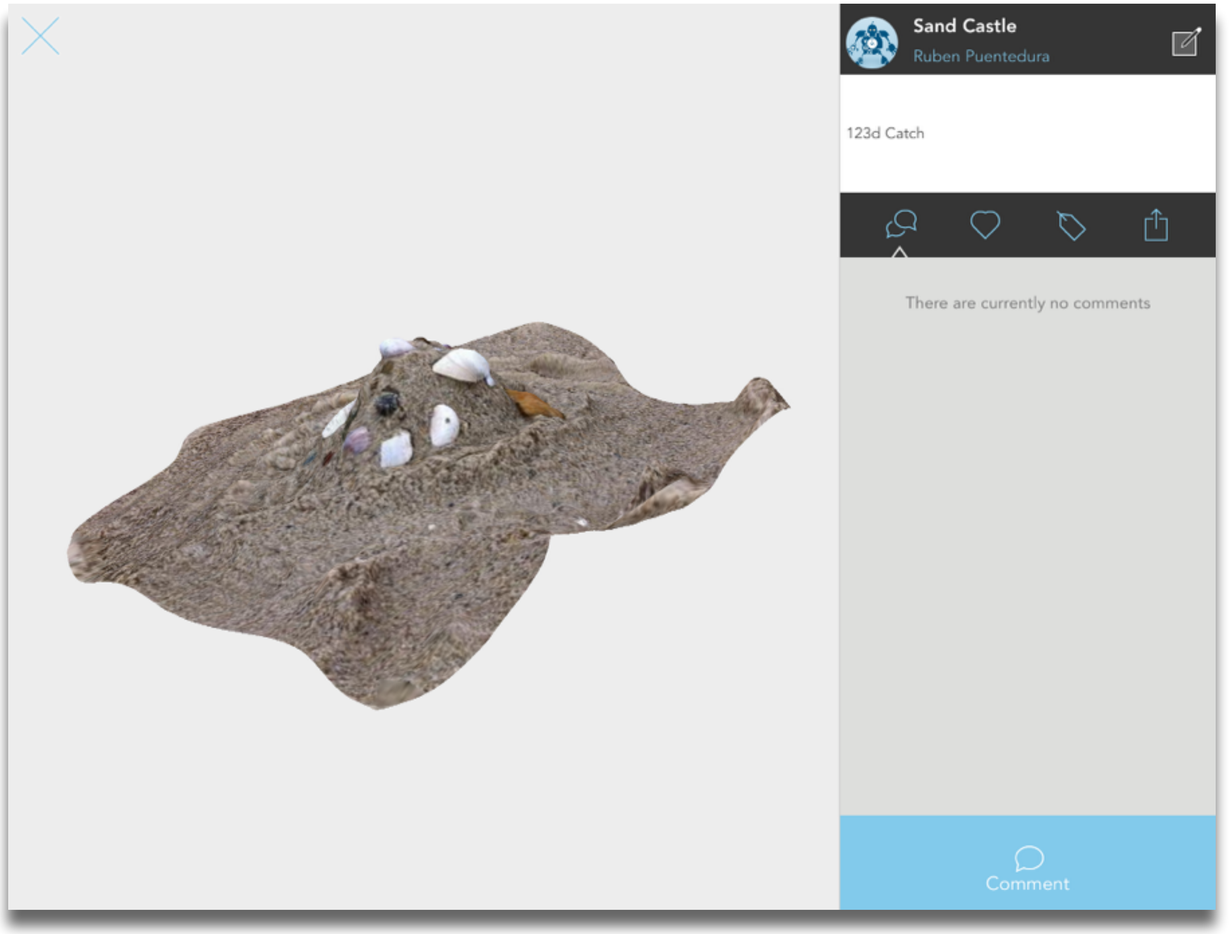

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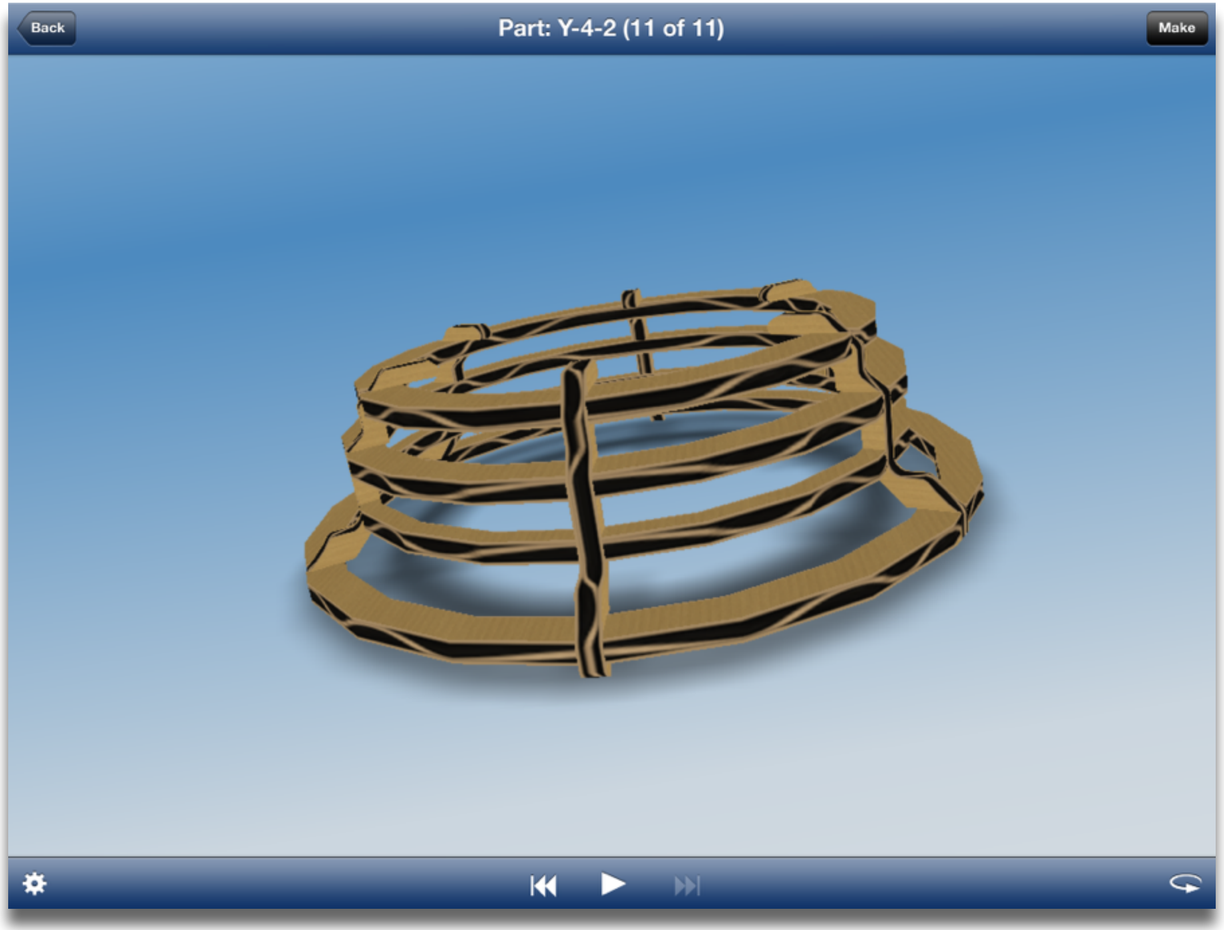

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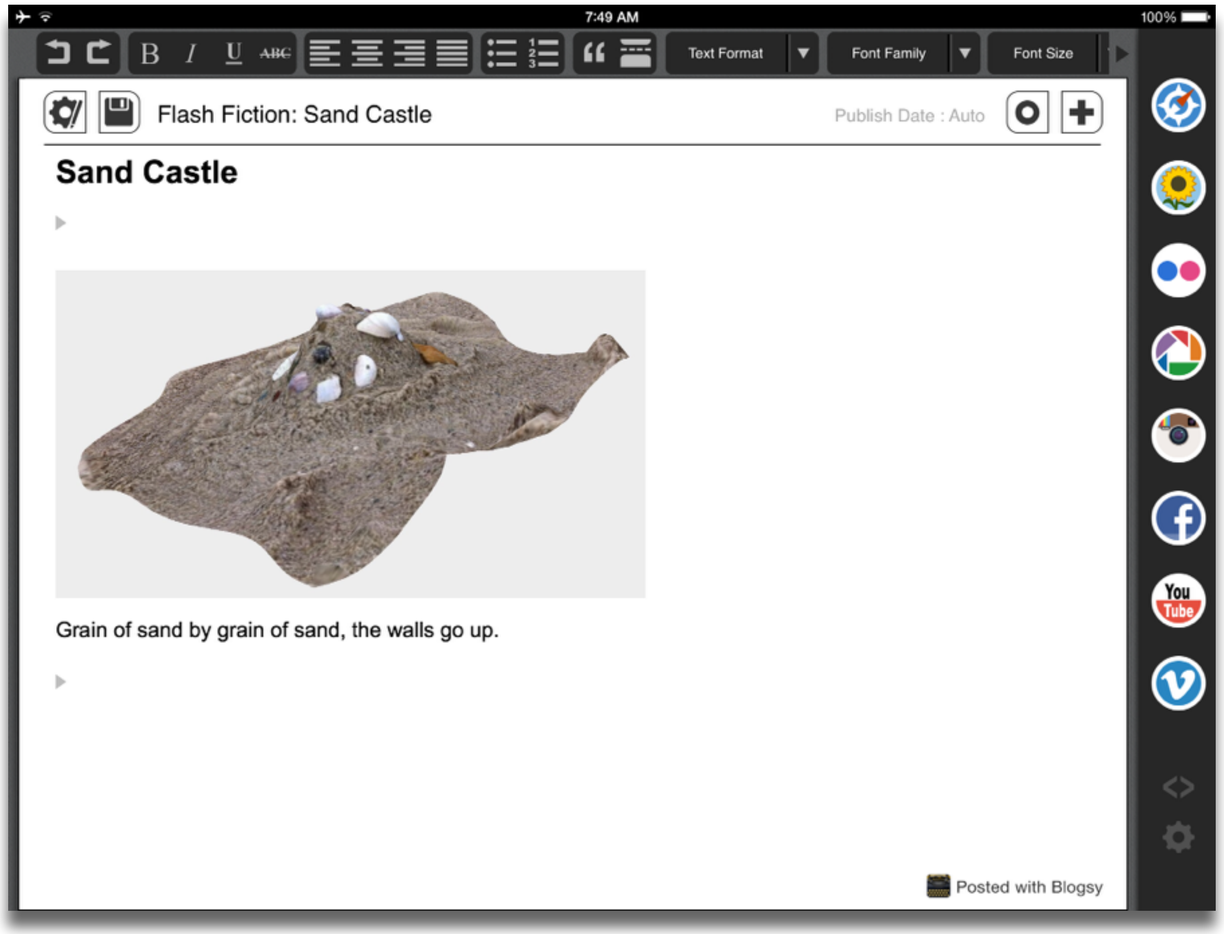

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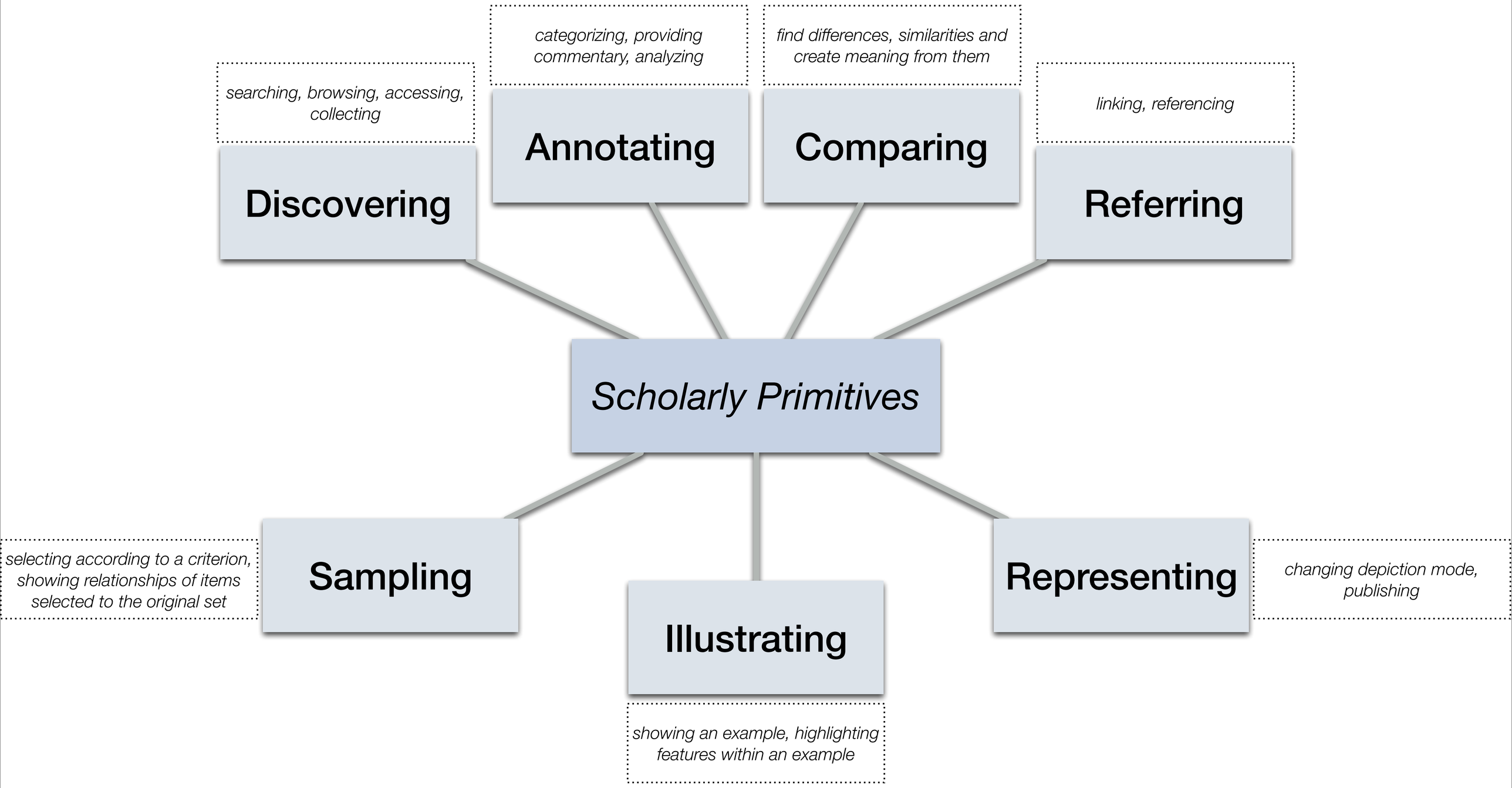


John Unsworth. *Scholarly Primitives: What Methods Do Humanities Researchers Have in Common and How Might Our Tools Reflect This?* Humanities Computing, Formal Methods, Experimental Practice Symposium, Kings College, London. (May 2000)

Location

Position in space

Condition

Mix of natural & artificial features that give meaning to a location

Links

Connections between places

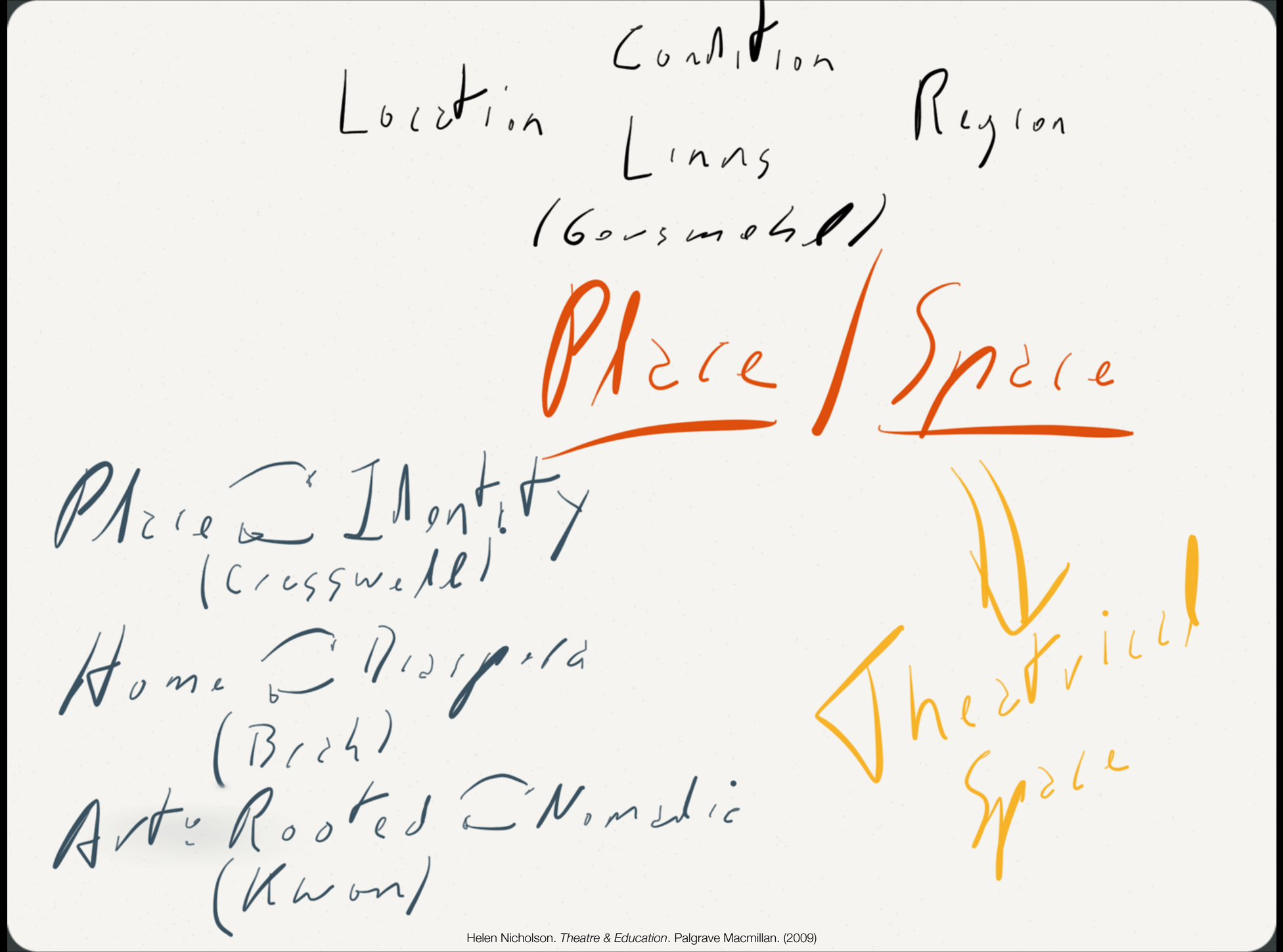
Formal Region

Group of places with similar conditions

Functional Region

Group of places linked together by a flow

Phil Gersmehl. *Teaching Geography*. The Guilford Press. (2005)



Helen Nicholson. *Theatre & Education*. Palgrave Macmillan. (2009)

Shigeru Ban - Log House, Kobe – Photo by Forgemind ArchiMedia

Shigeru Ban - The Nomadic Museum – Photo by weird tramp

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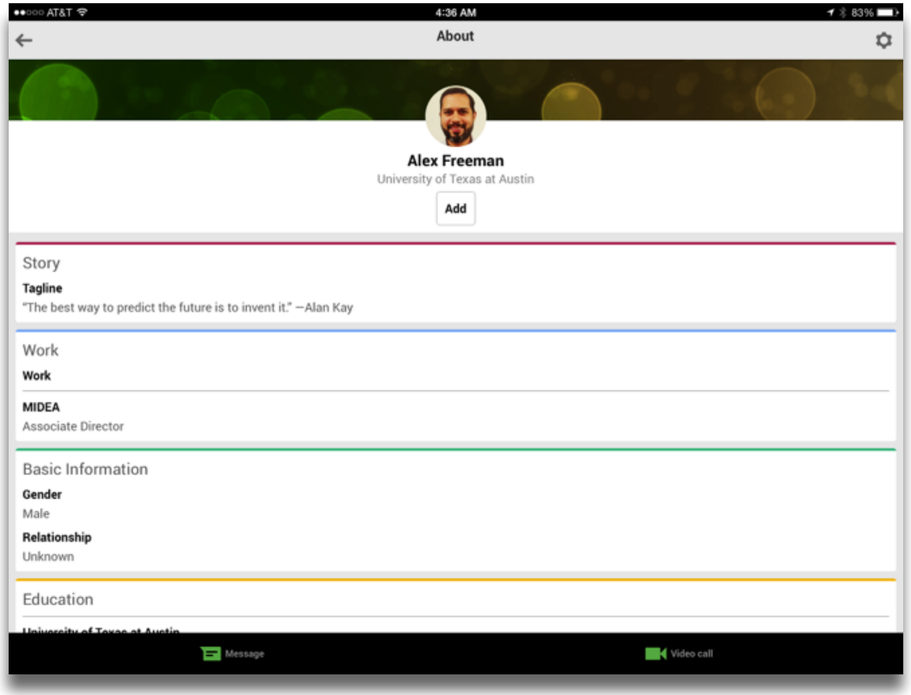

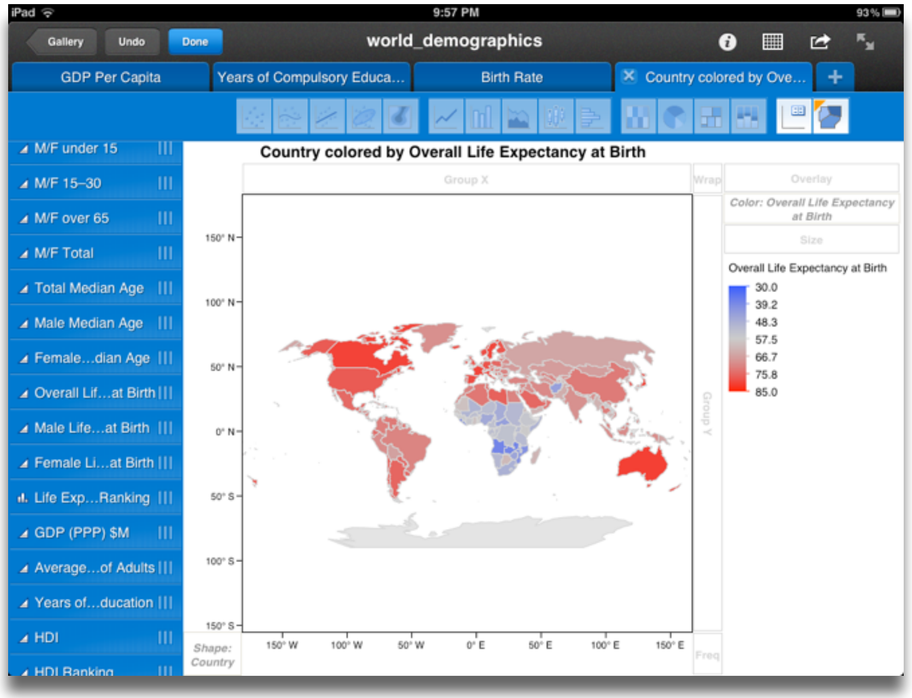

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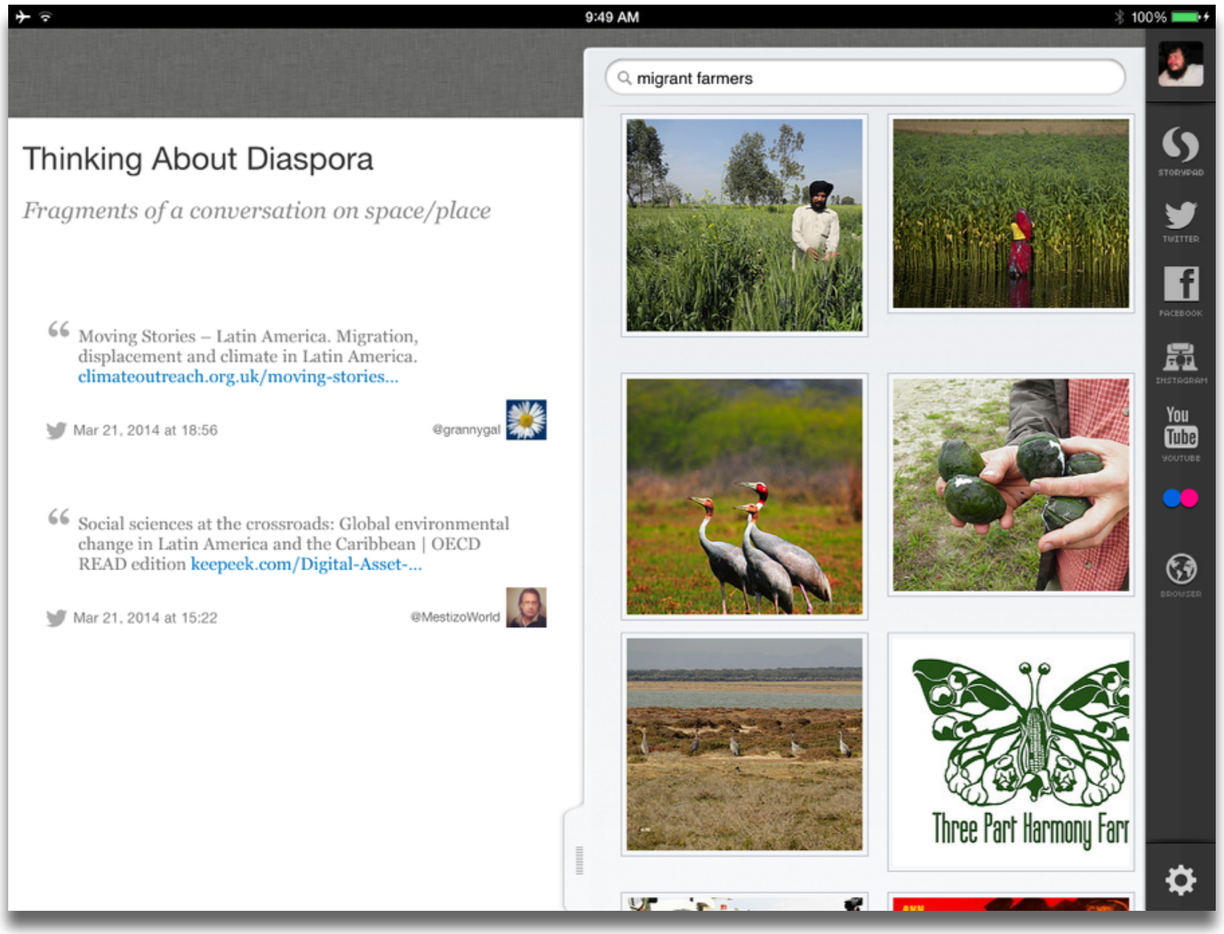

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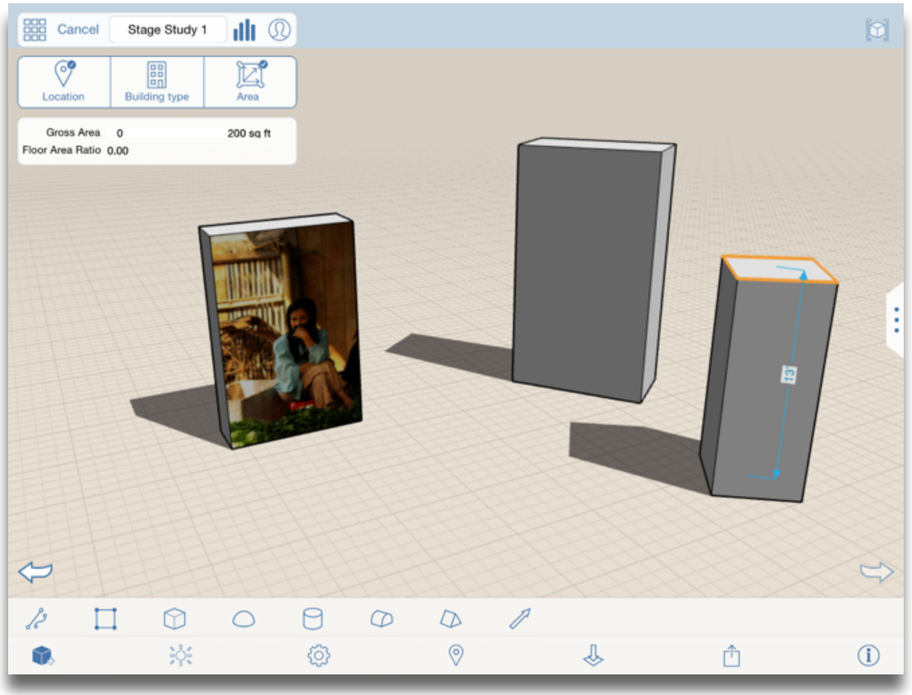

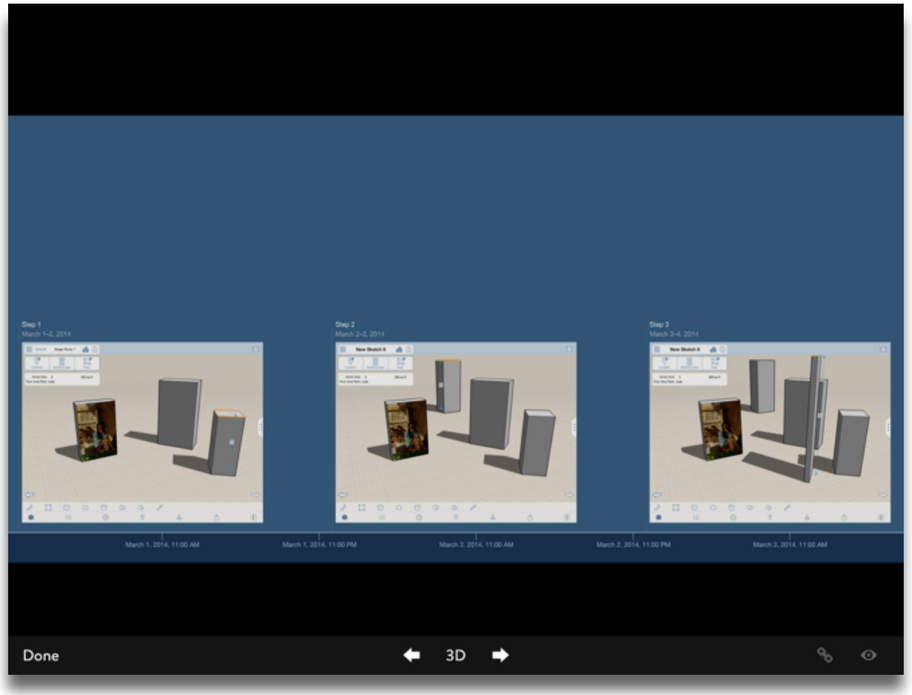

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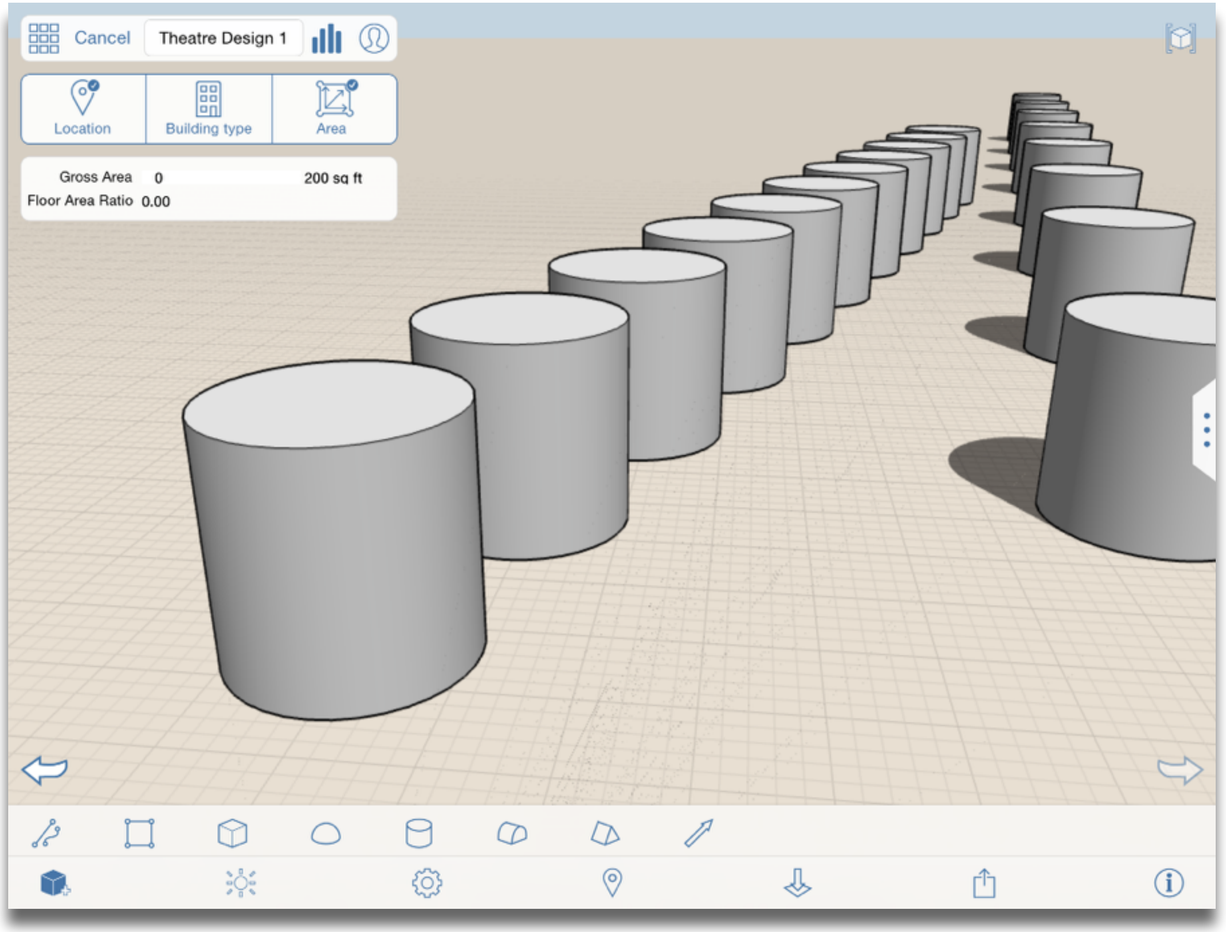

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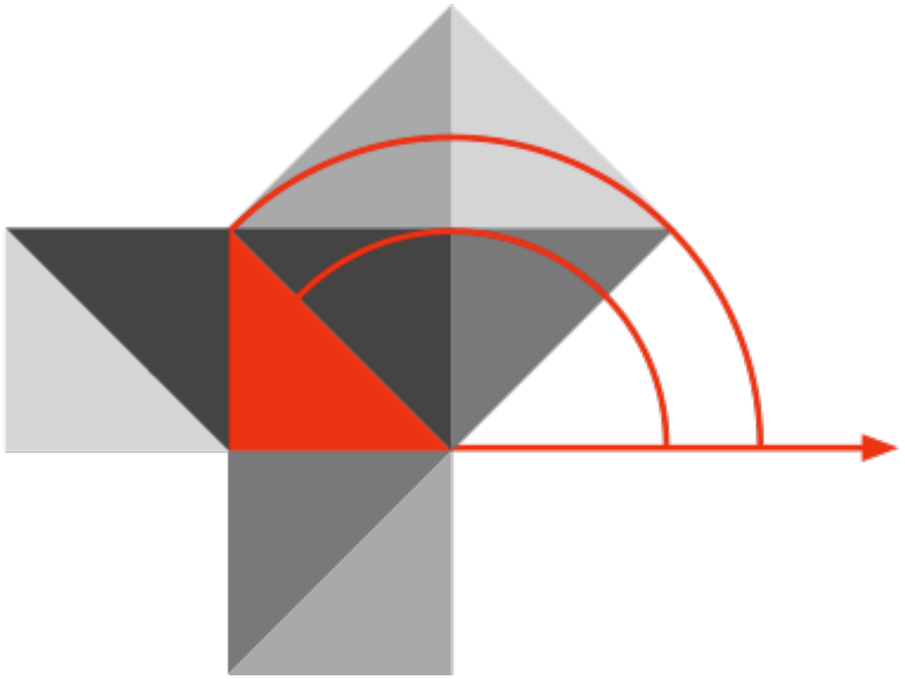

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