Integrating Technology and Teaching

Ruben R. Puentedura, Ph.D.

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

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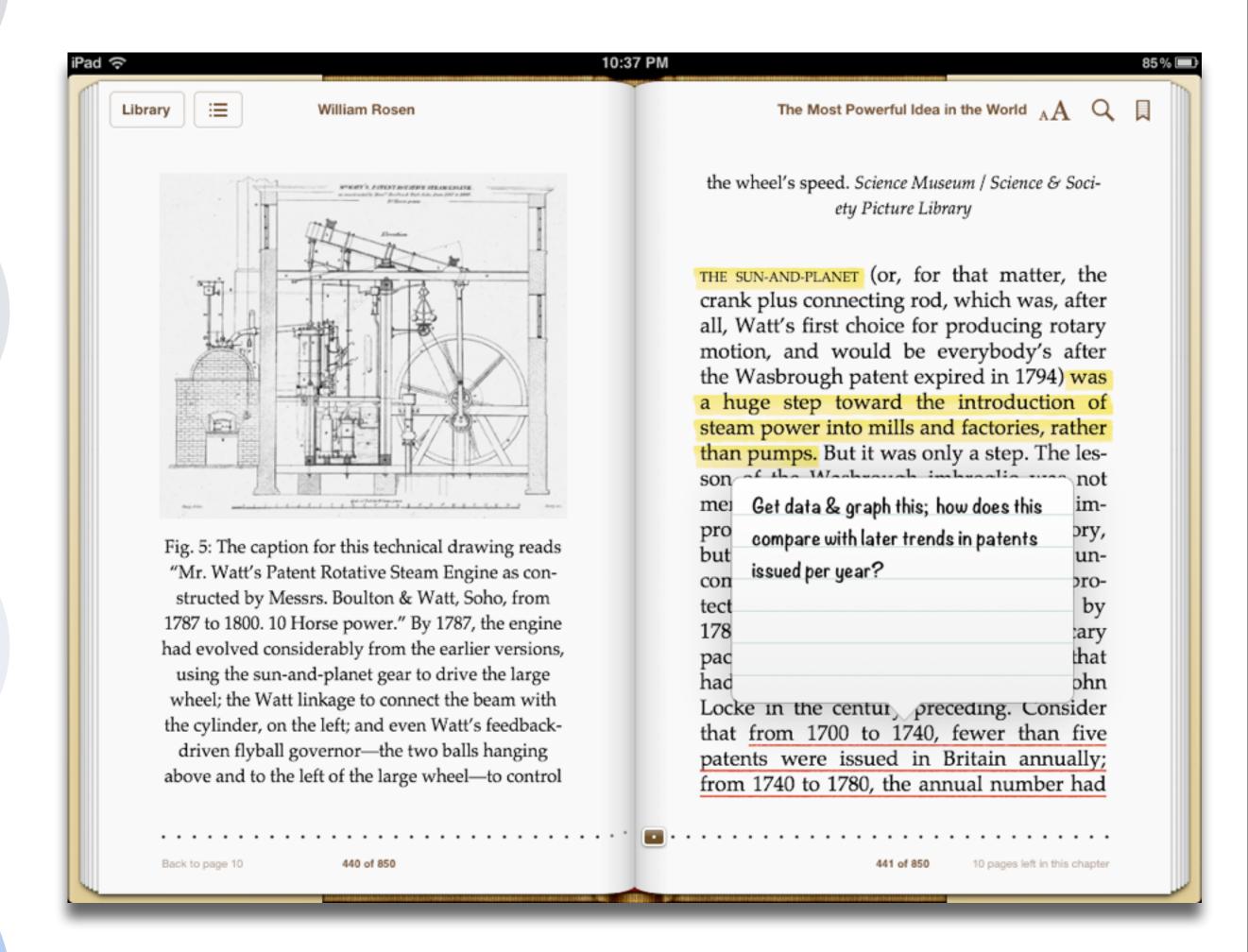
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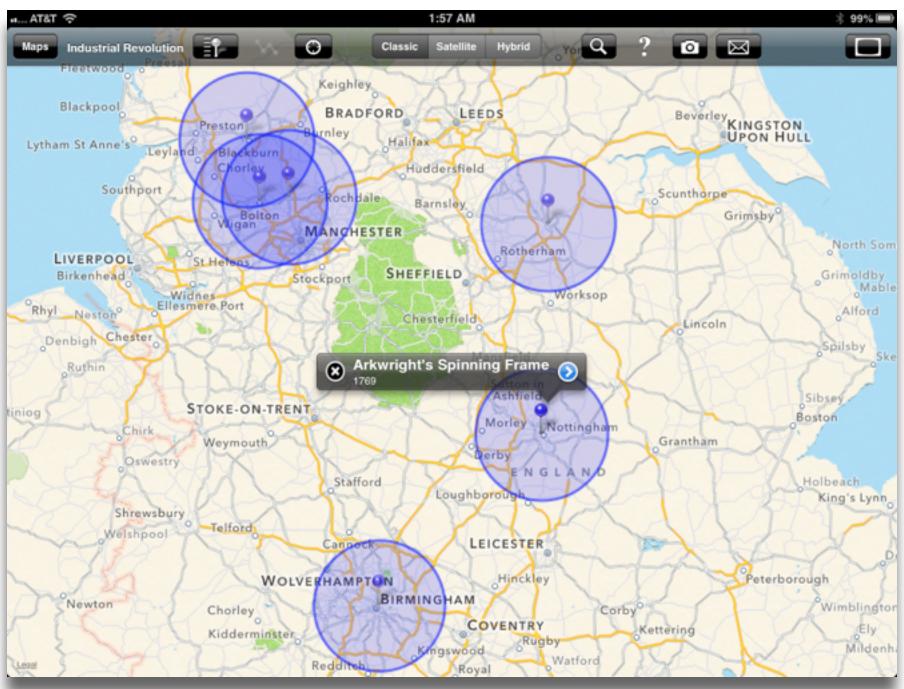
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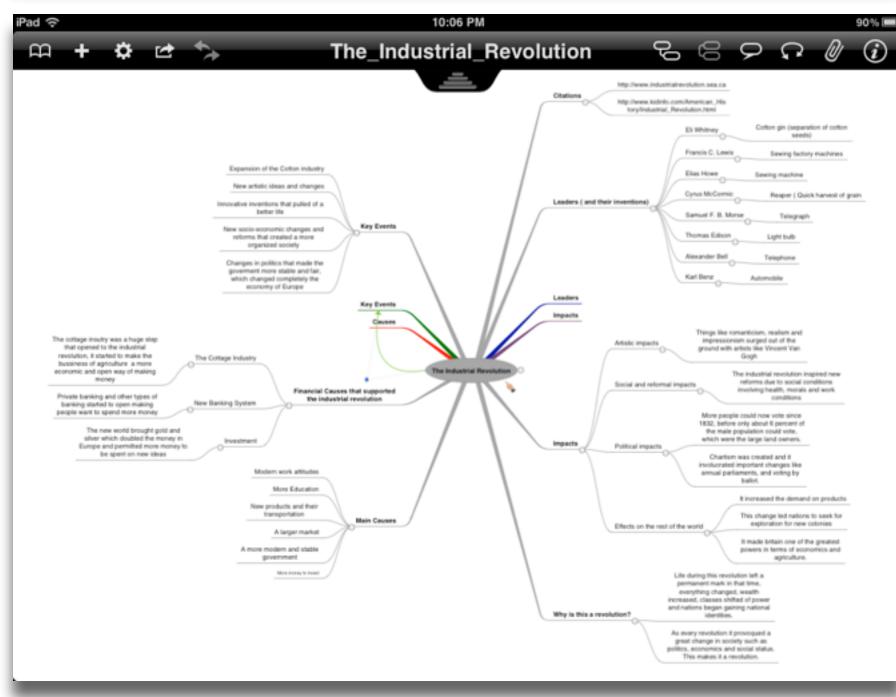
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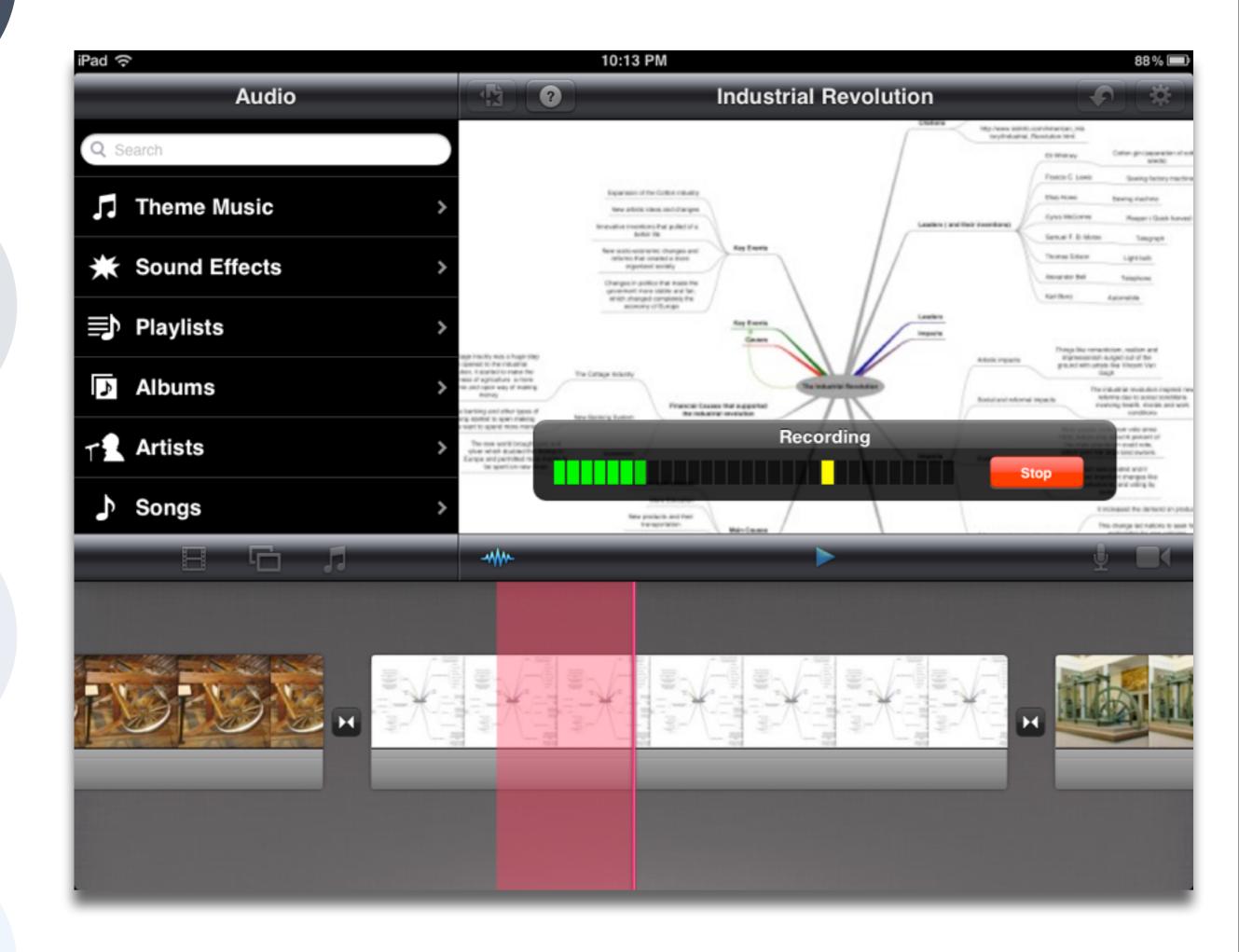
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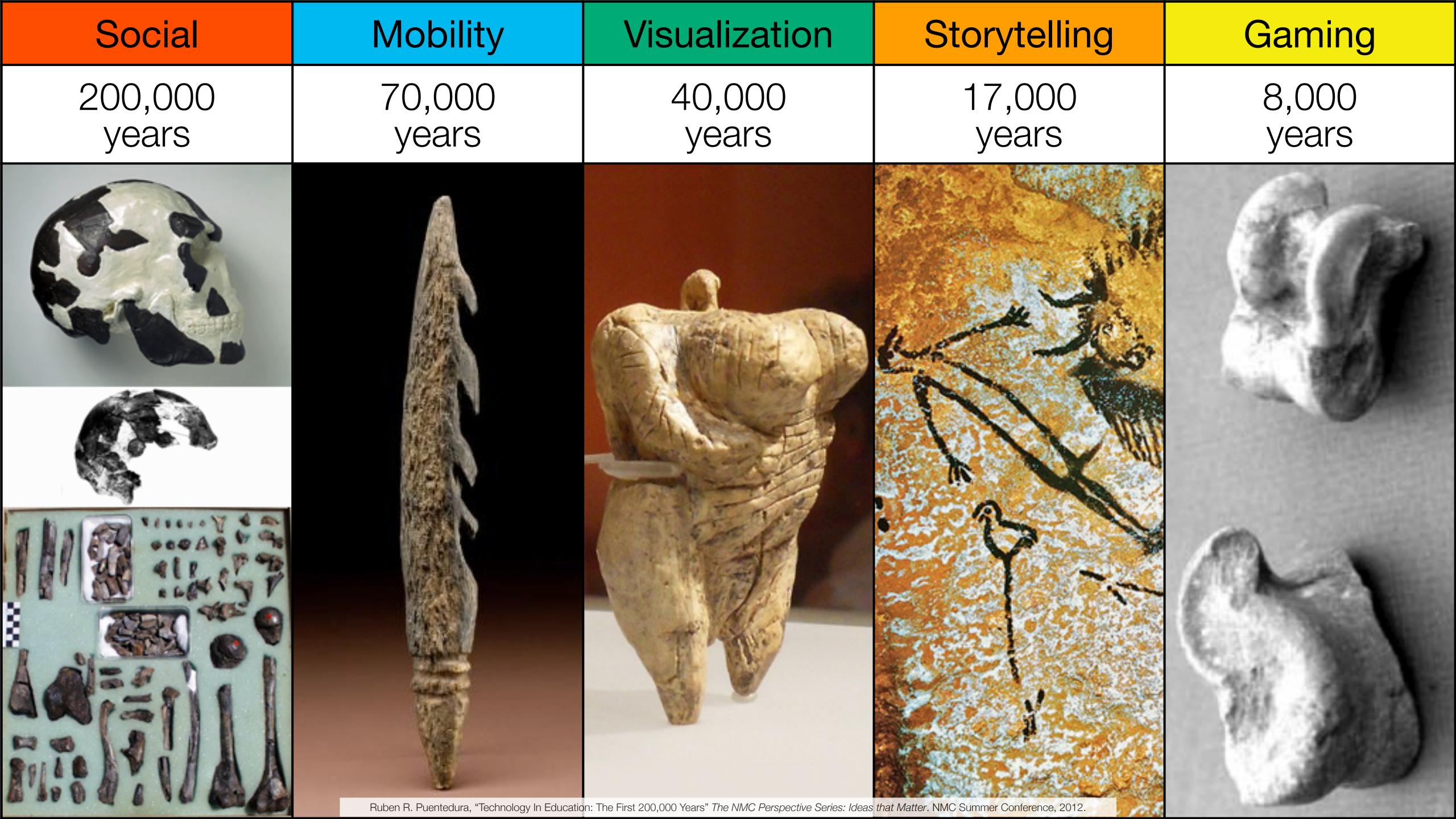
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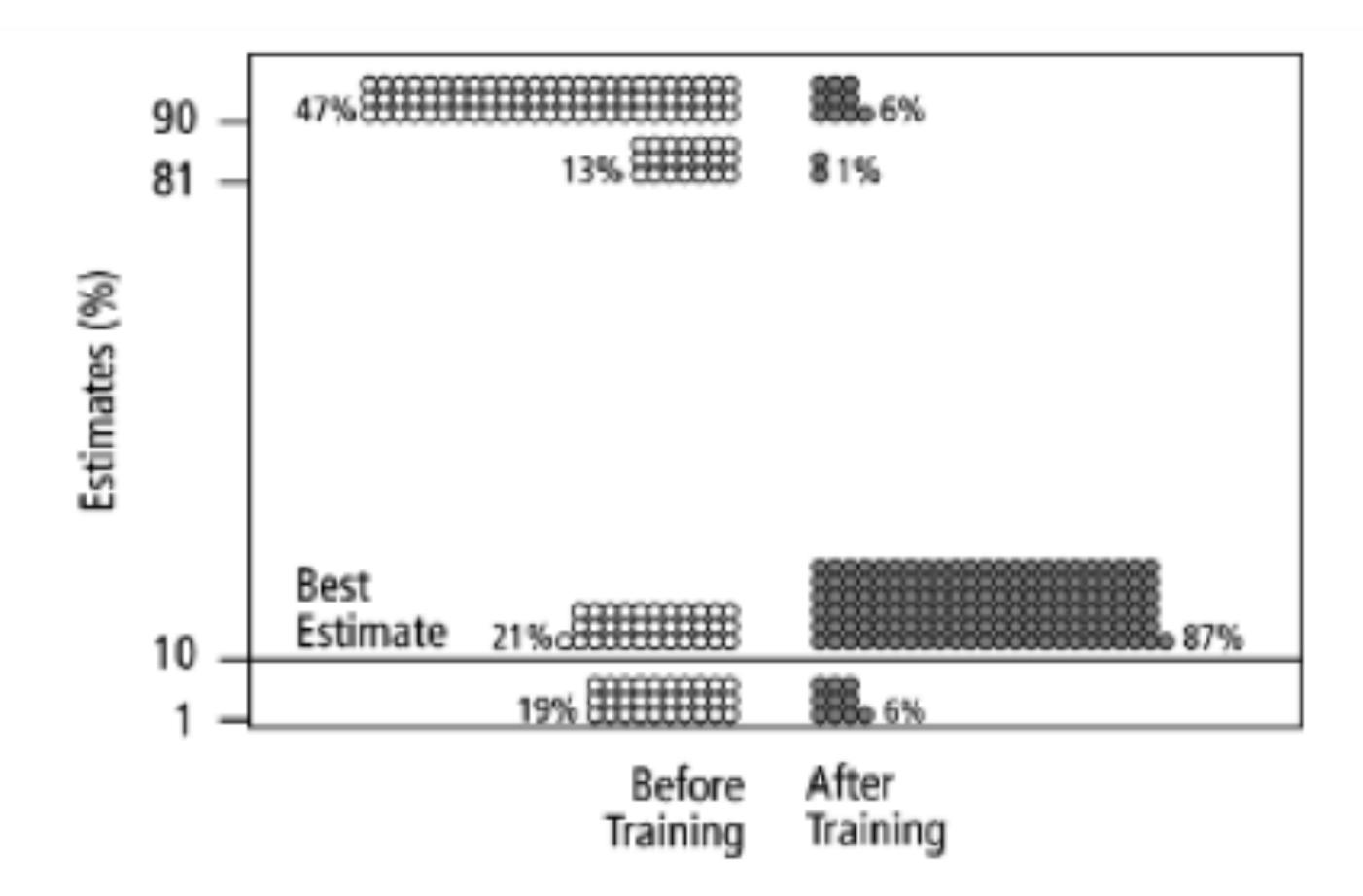
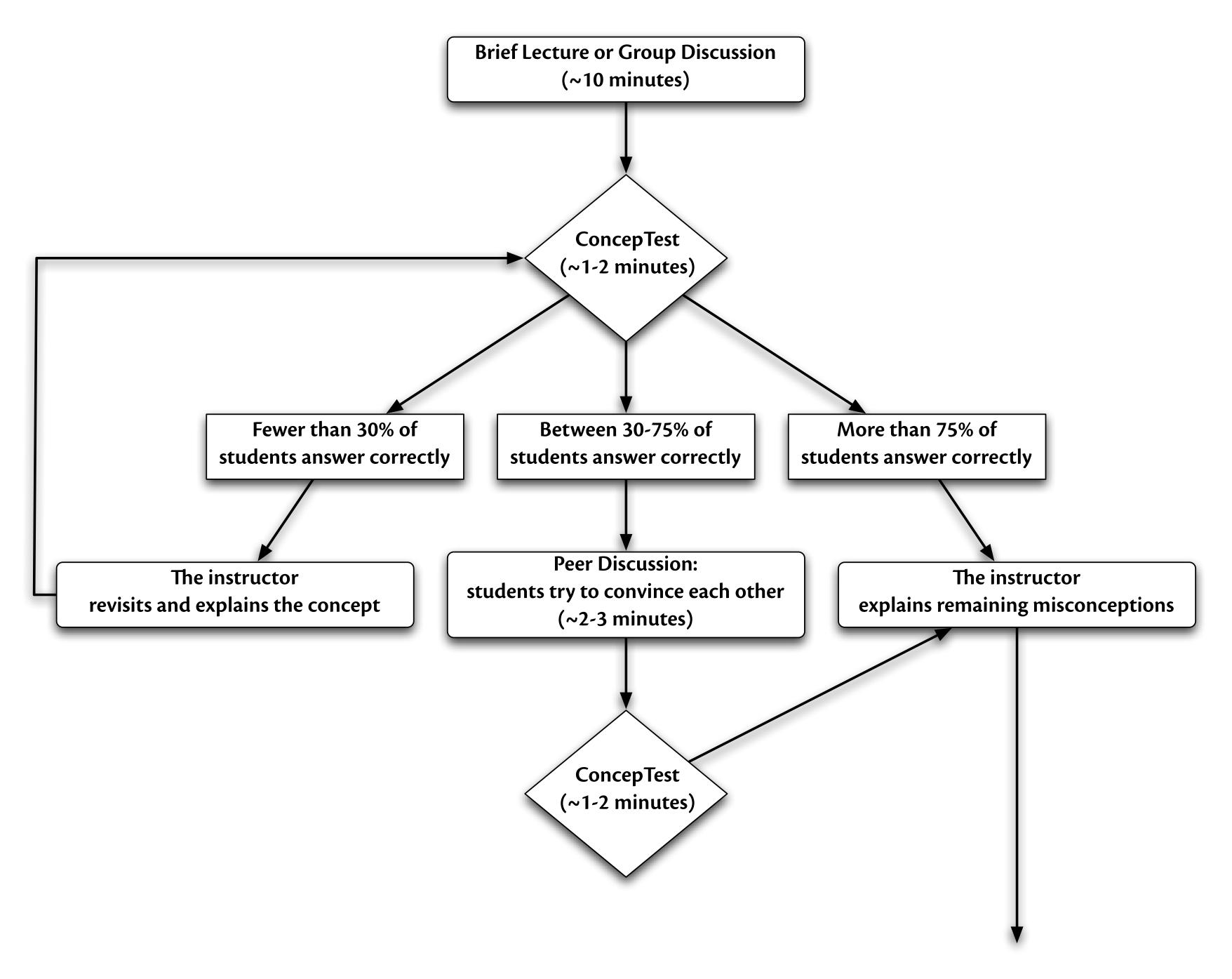


Fig. 2. Estimates by 160 gynecologists of the probability that a woman has breast cancer given a positive mammogram, before and after receiving training in how to translate conditional probabilities into natural frequencies.



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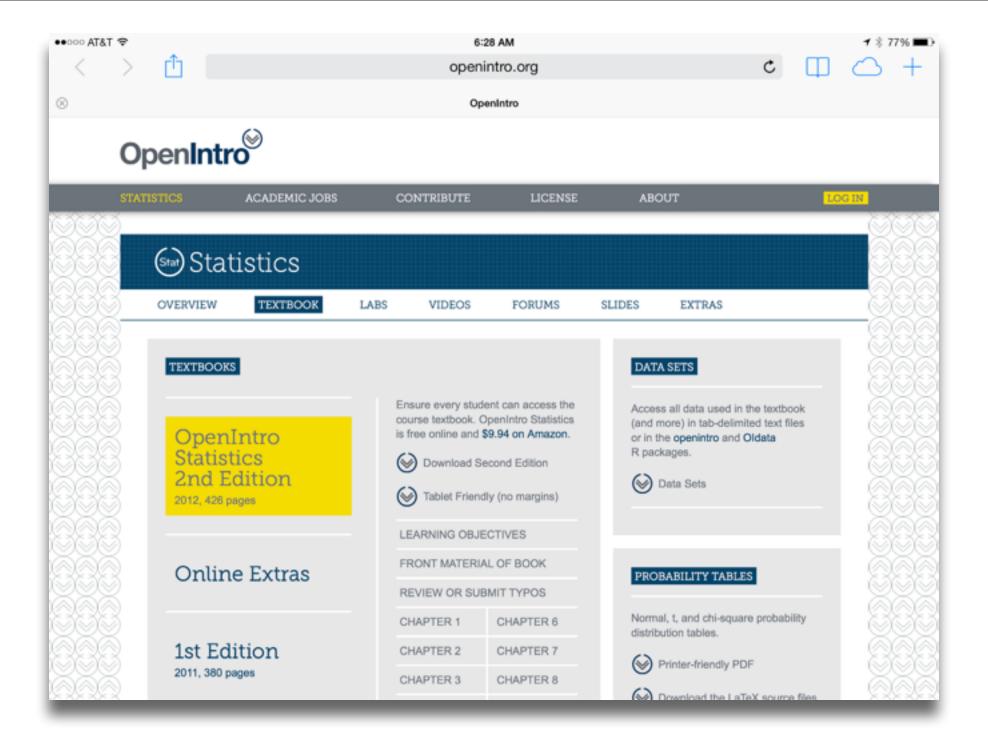
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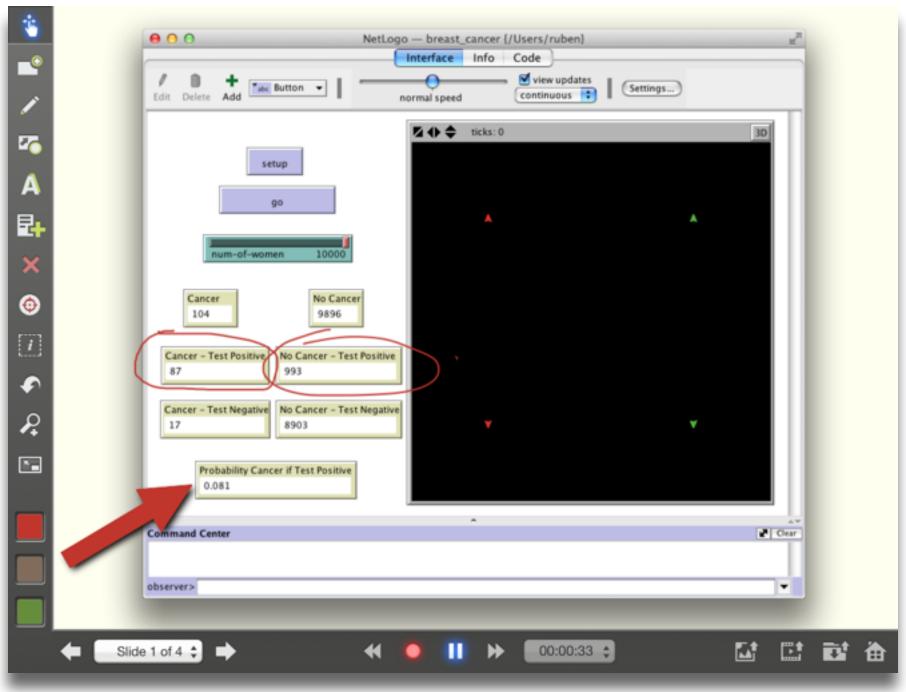
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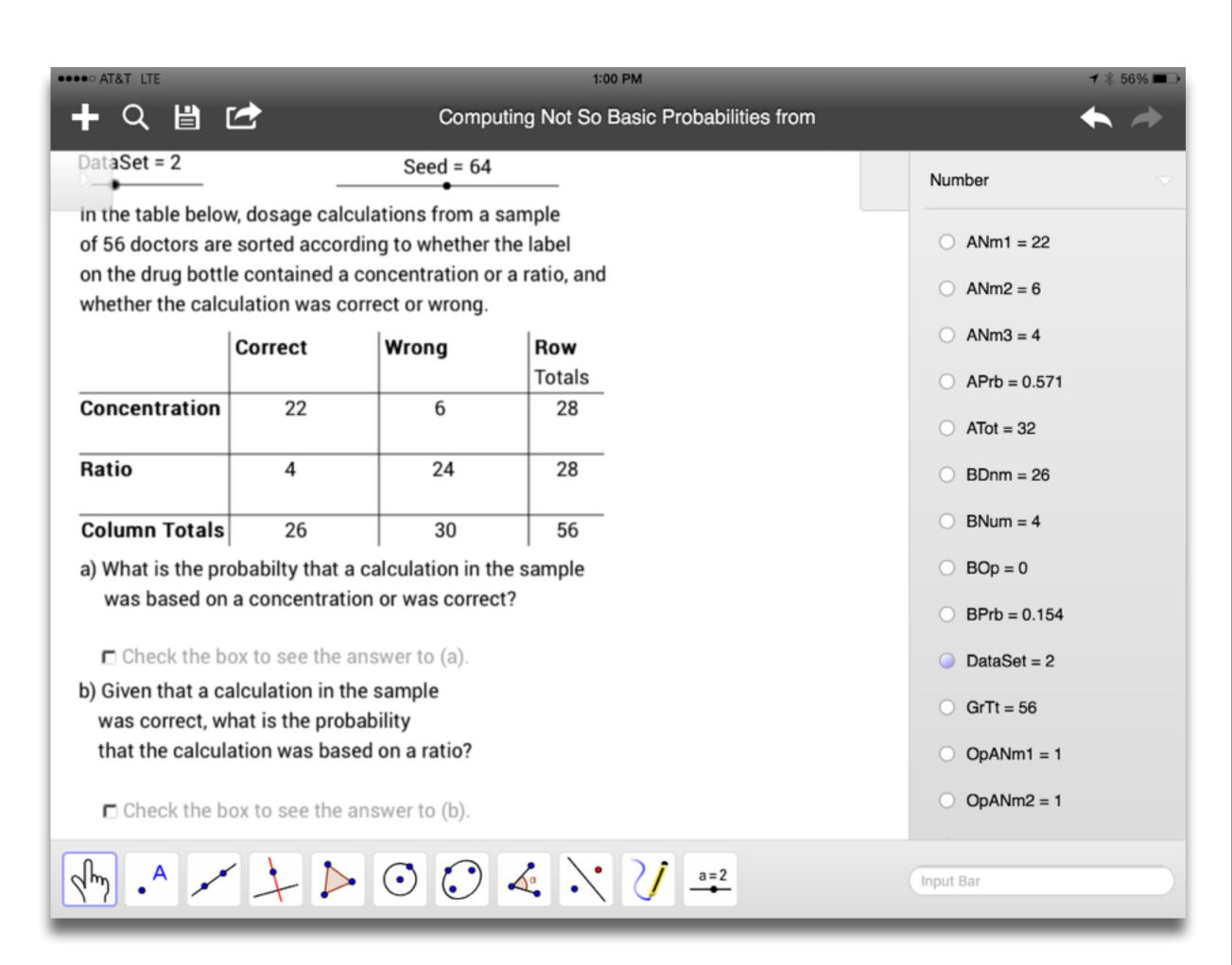


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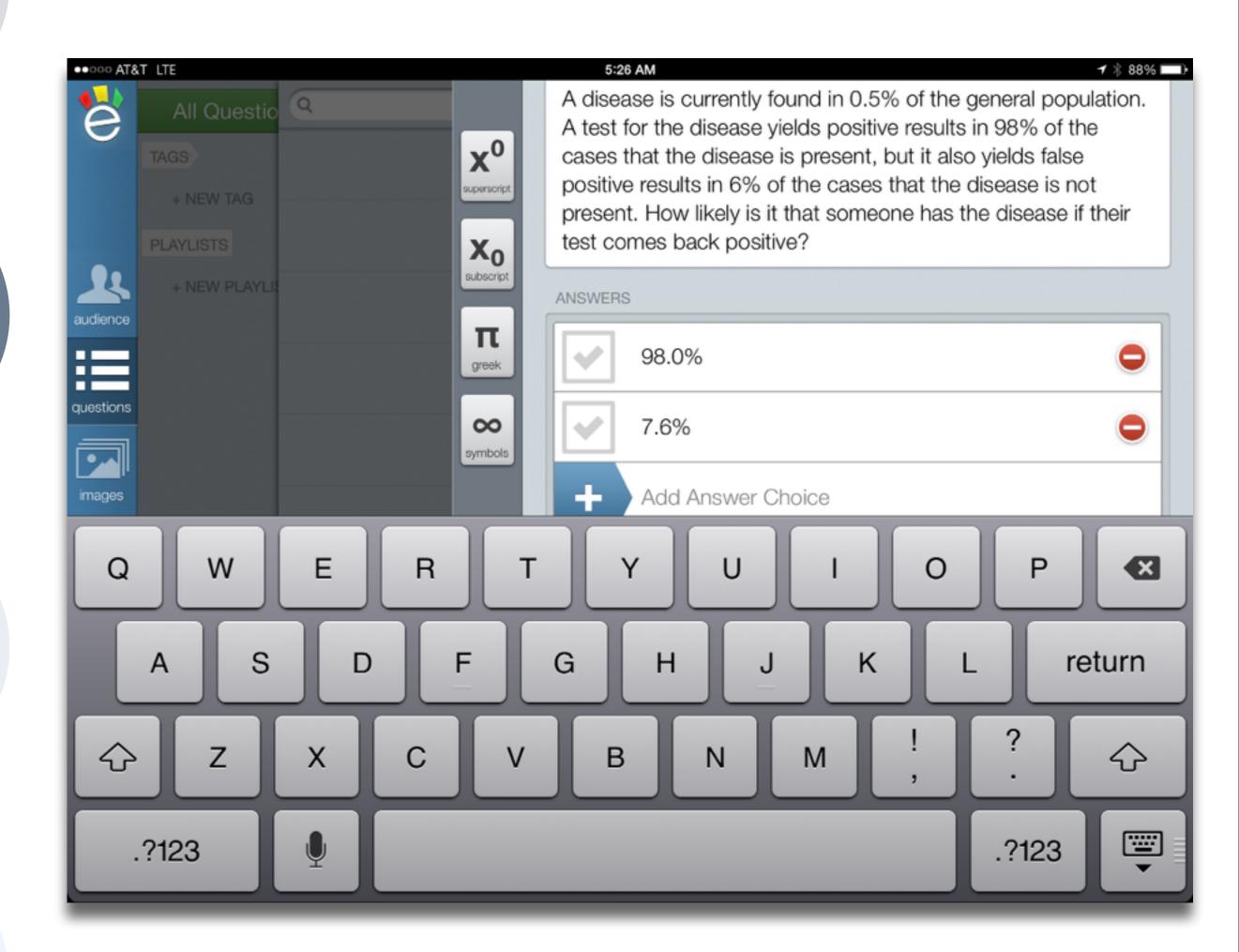
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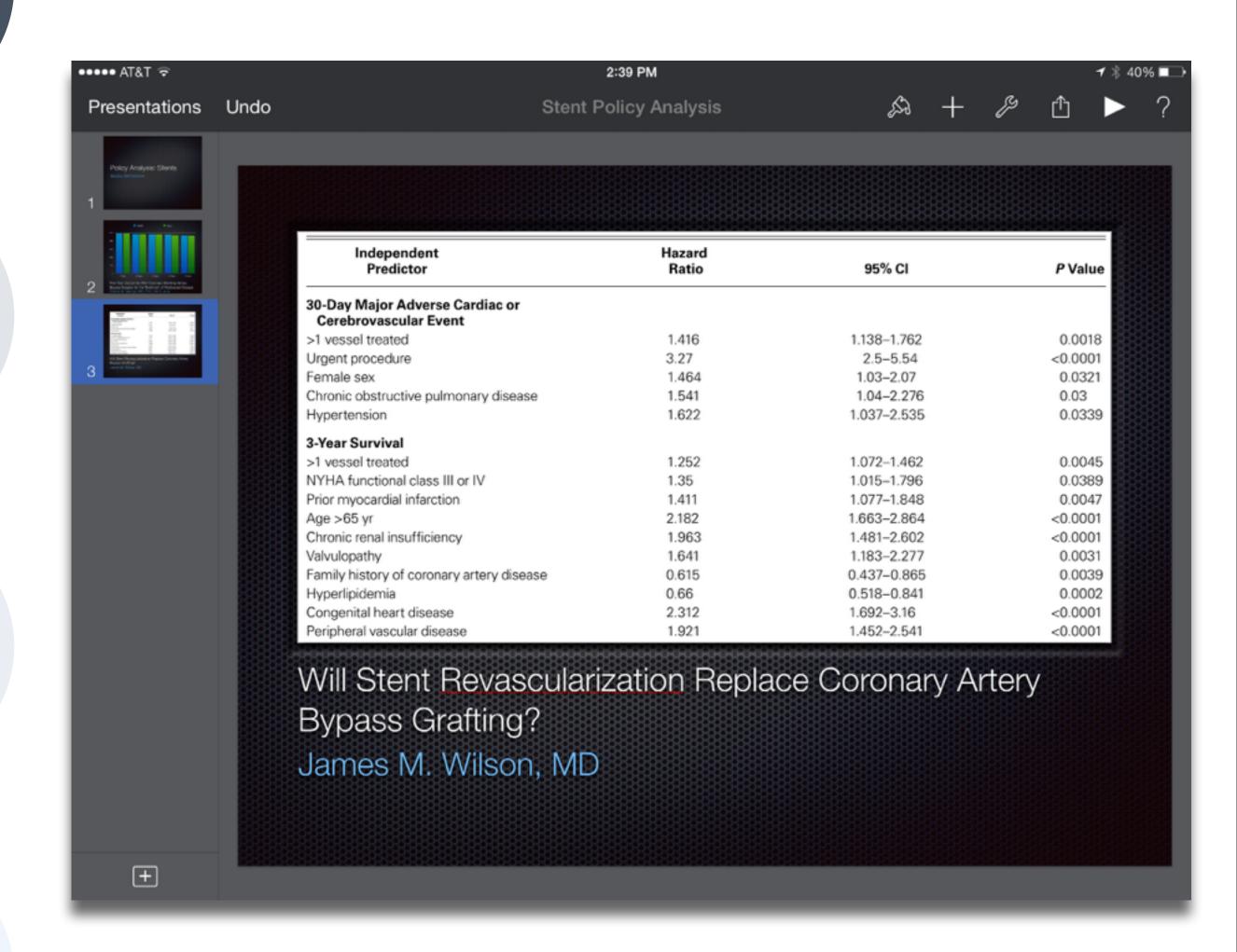


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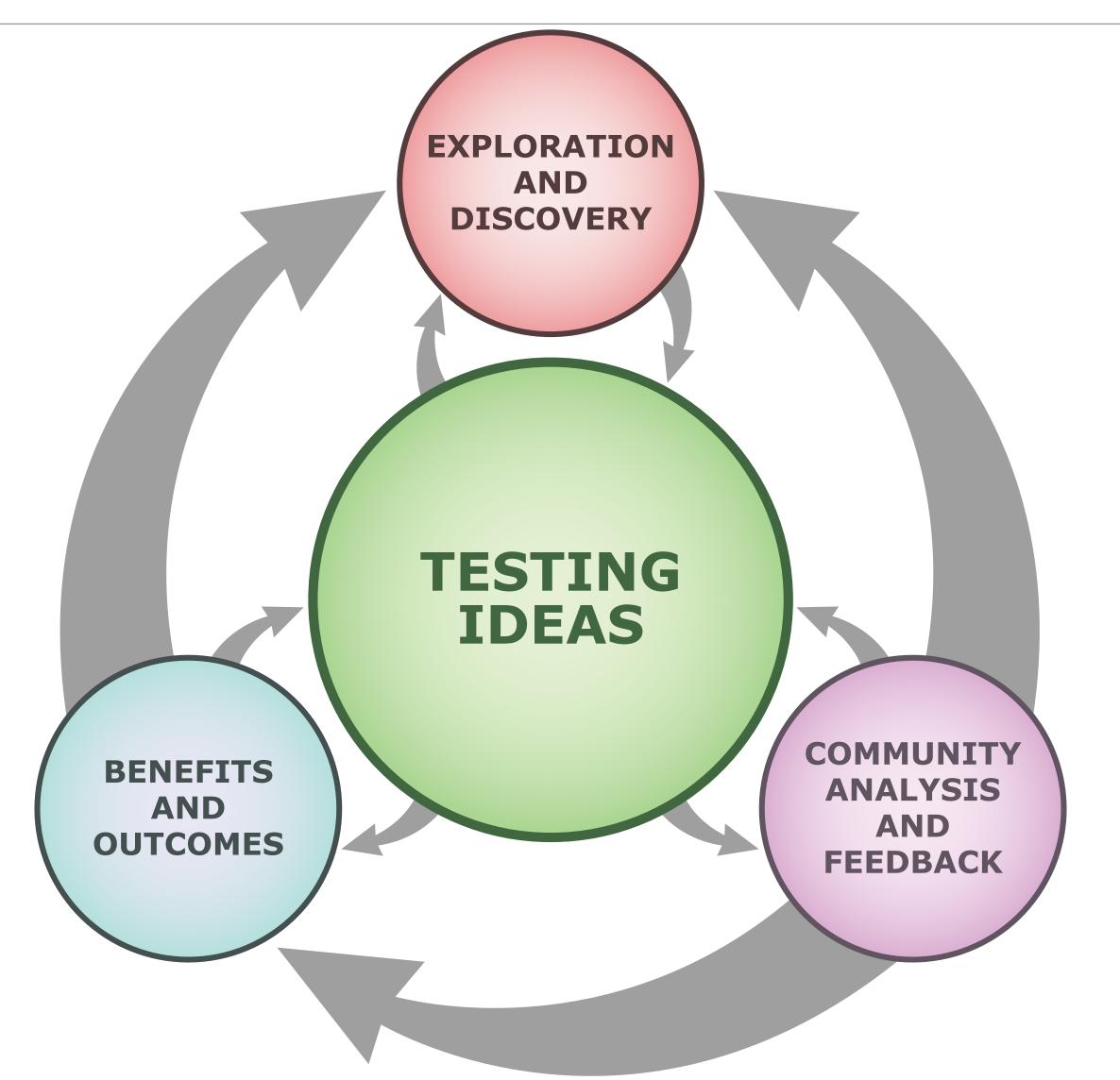
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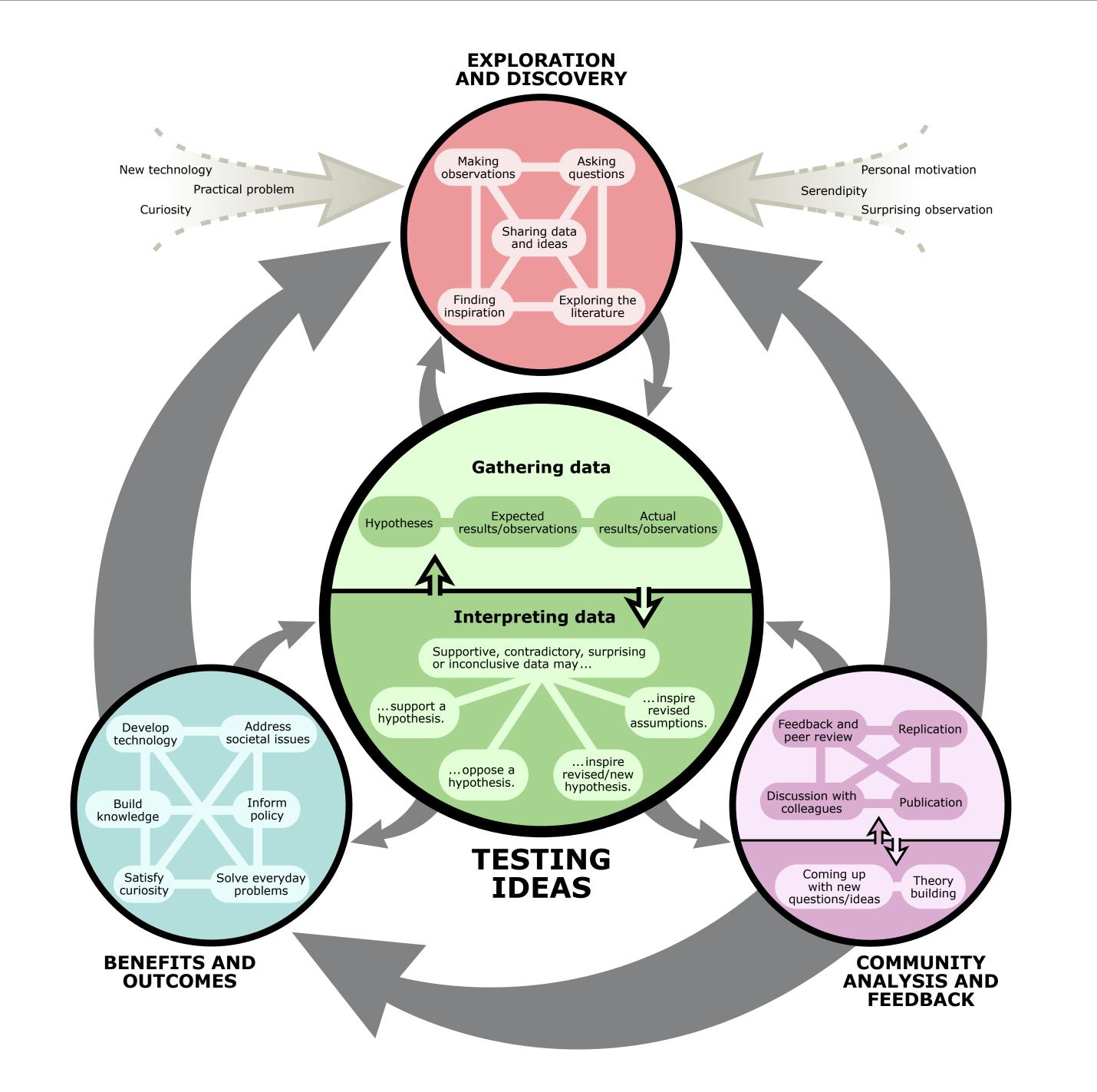
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Understanding Science: How Science Works



Understanding Science - http://undsci.berkeley.edu



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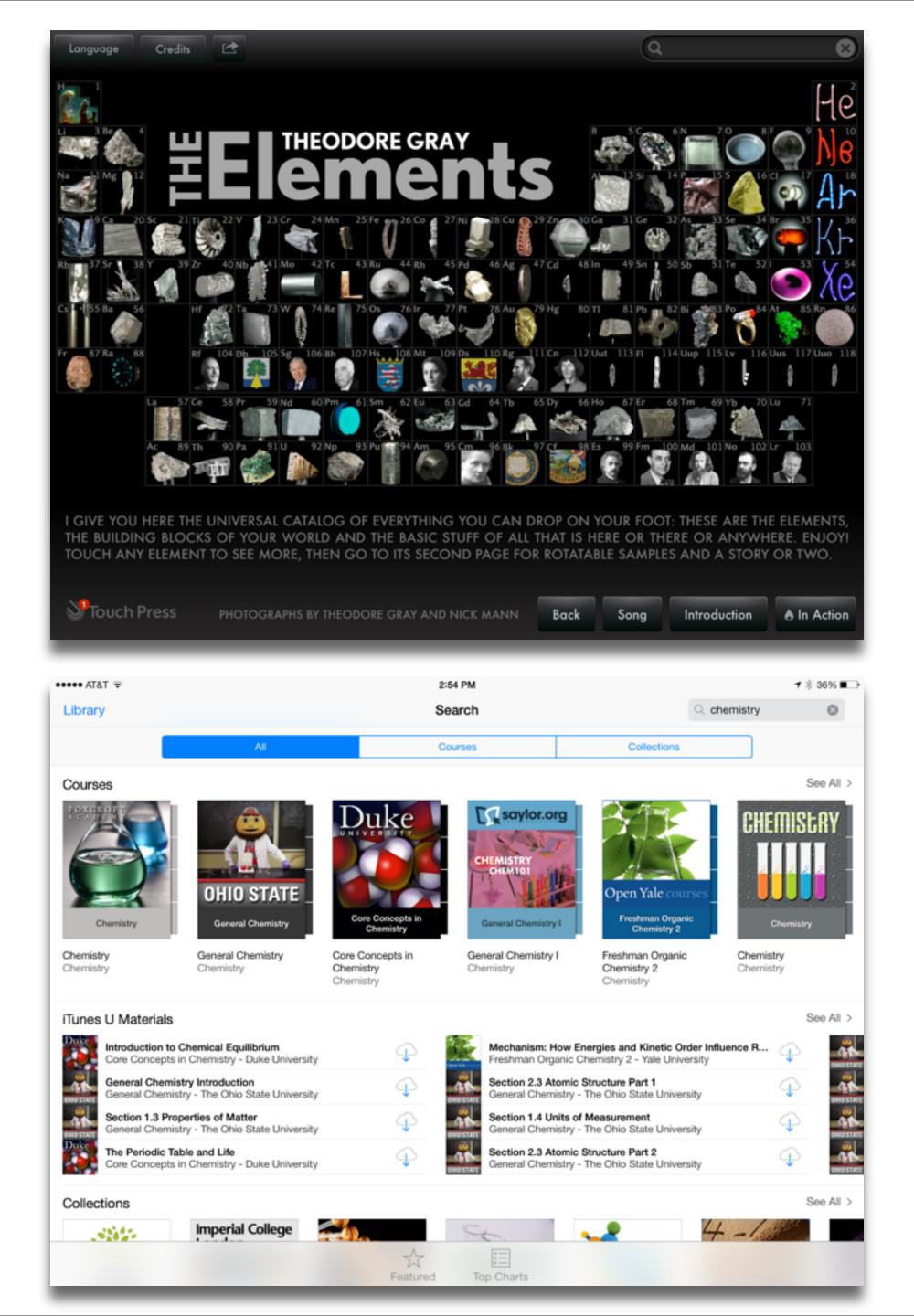
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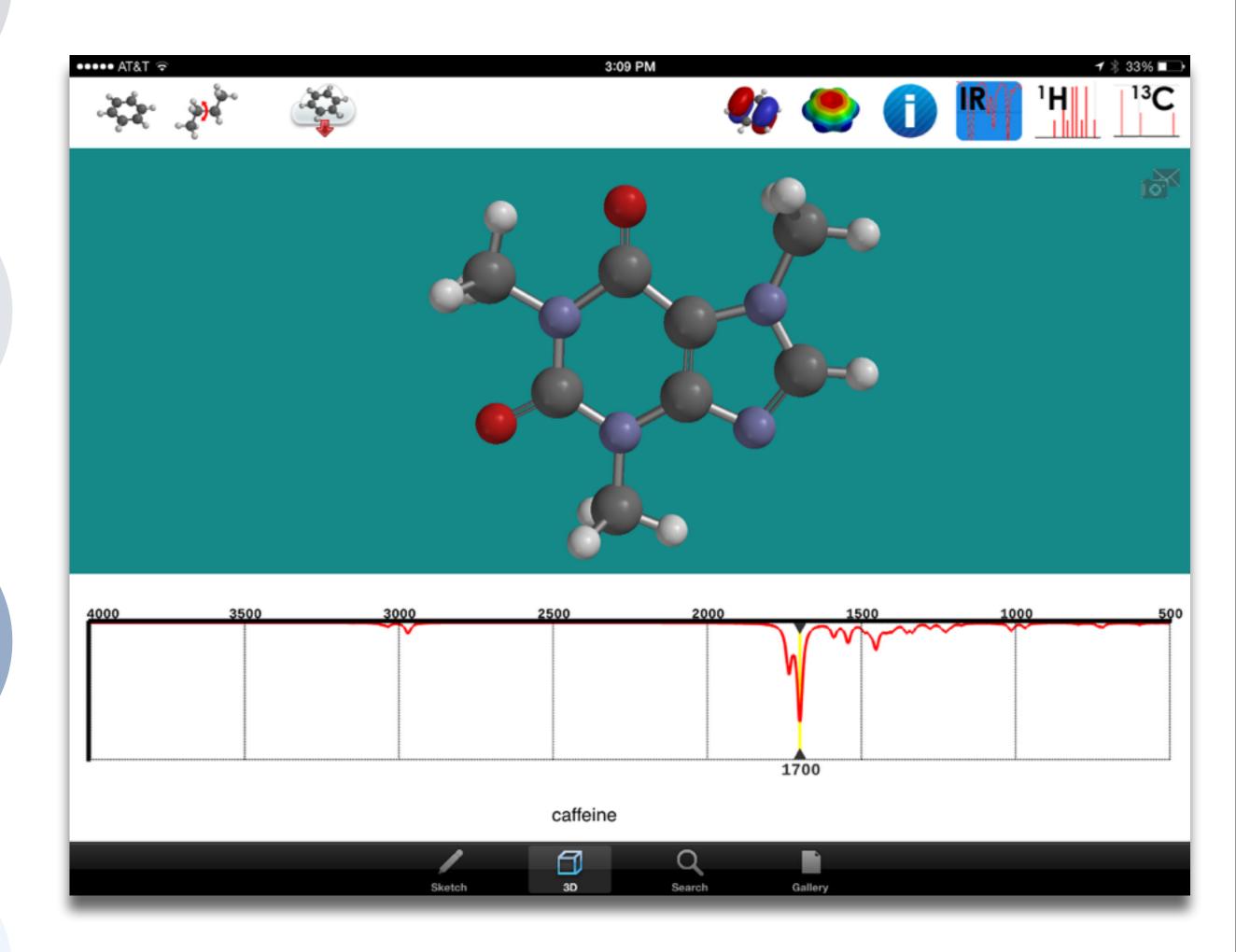
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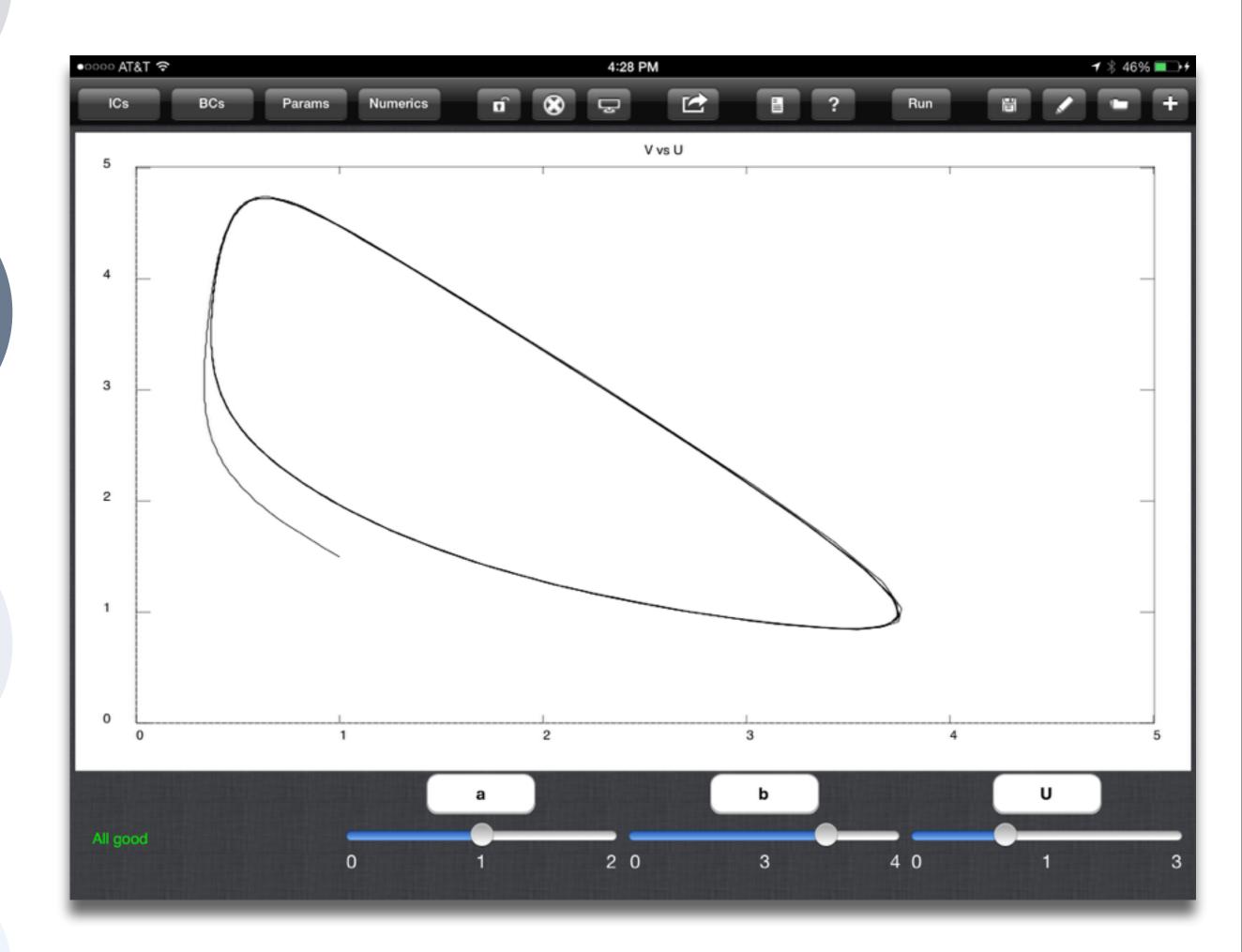
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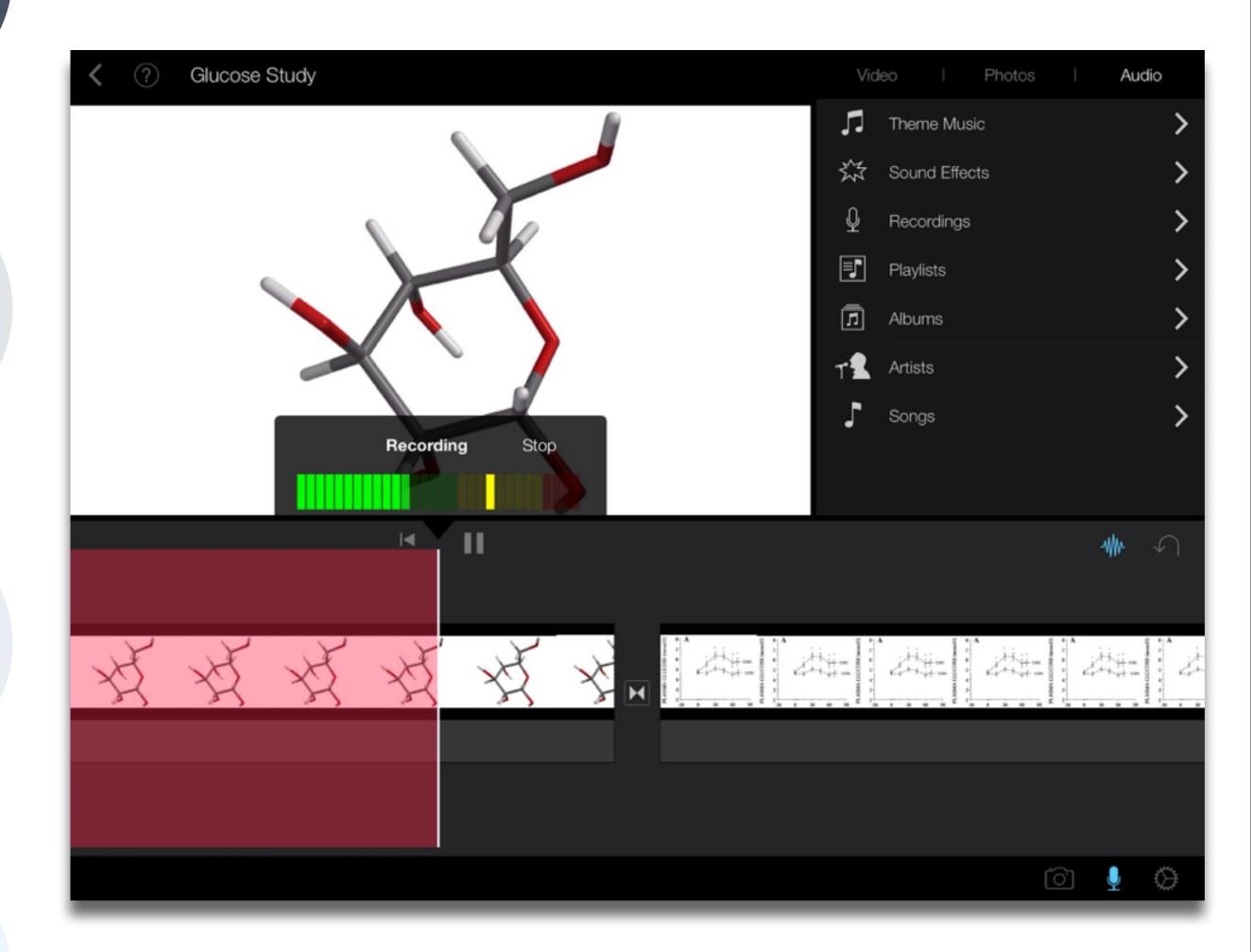
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categorizing, providing find differences, similarities and commentary, analyzing create meaning from them searching, browsing, accessing, linking, referencing collecting Comparing Annotating Discovering Referring Scholarly Primitives

selecting according to a criterion, showing relationships of items selected to the original set

Sampling

Illustrating

showing an example, highlighting features within an example

Representing

changing depiction mode, publishing

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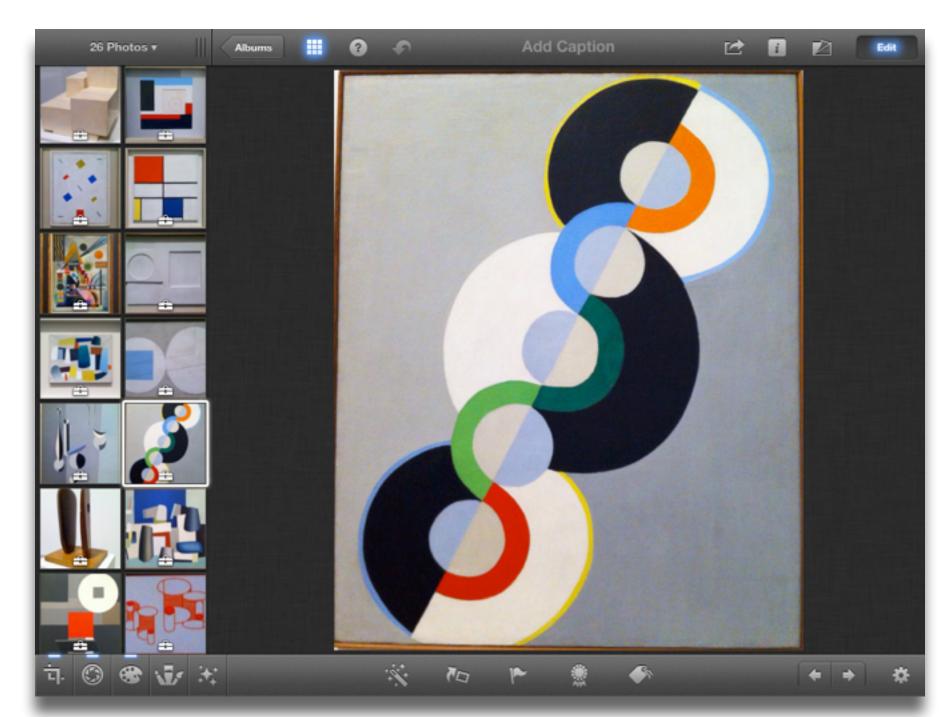
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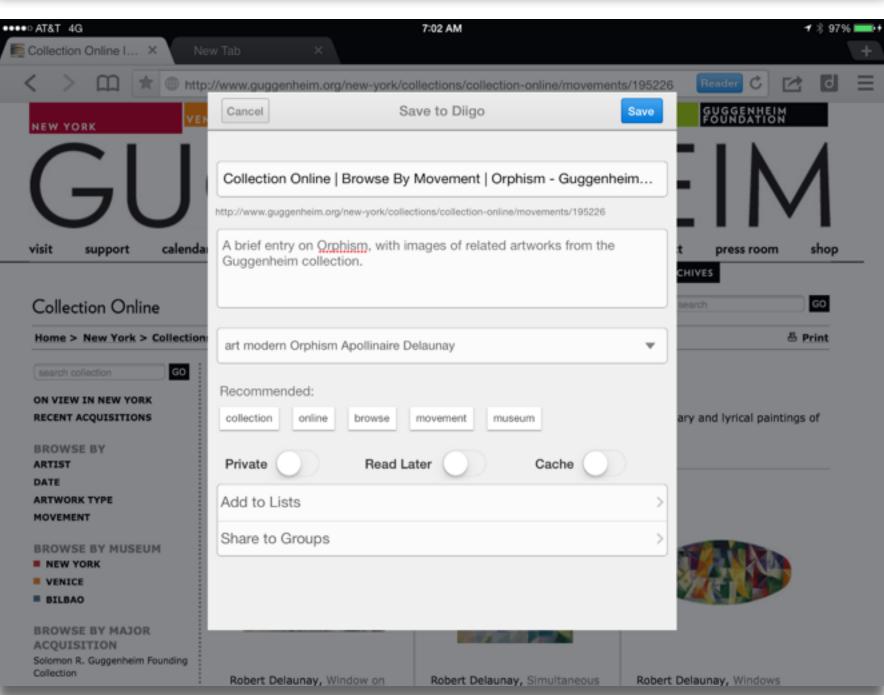
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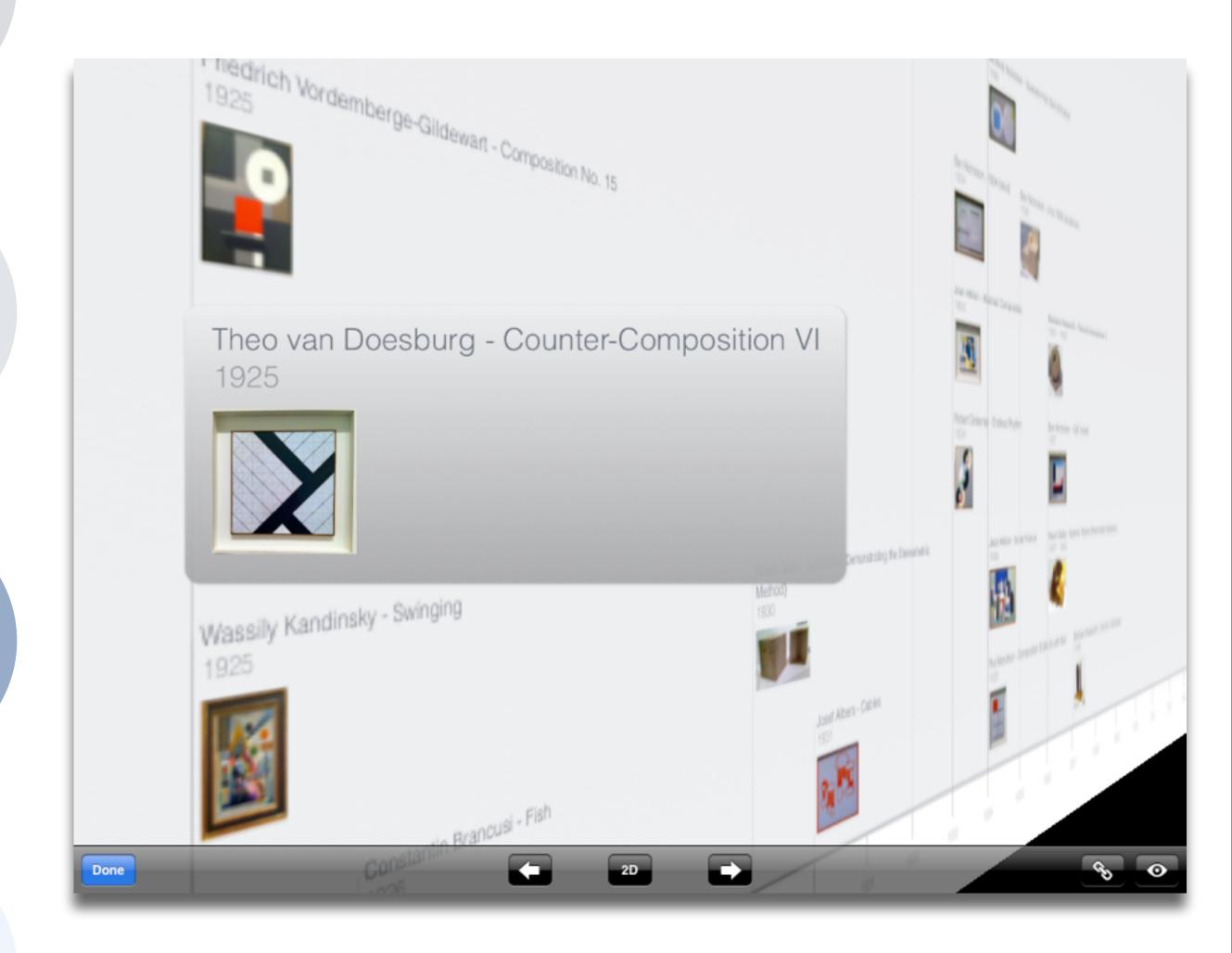
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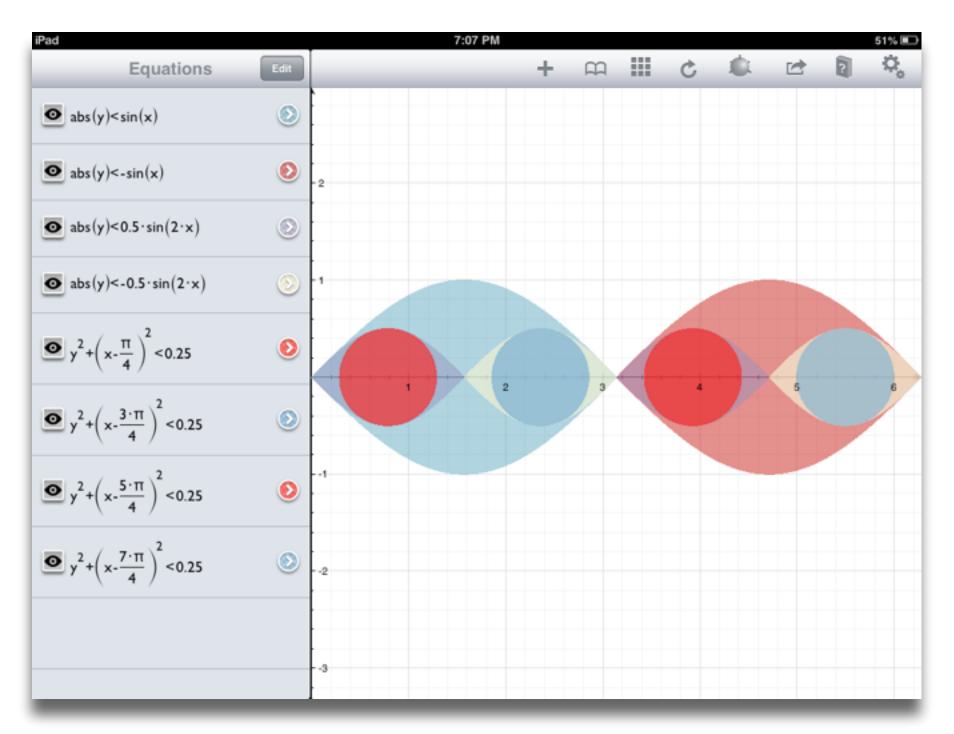
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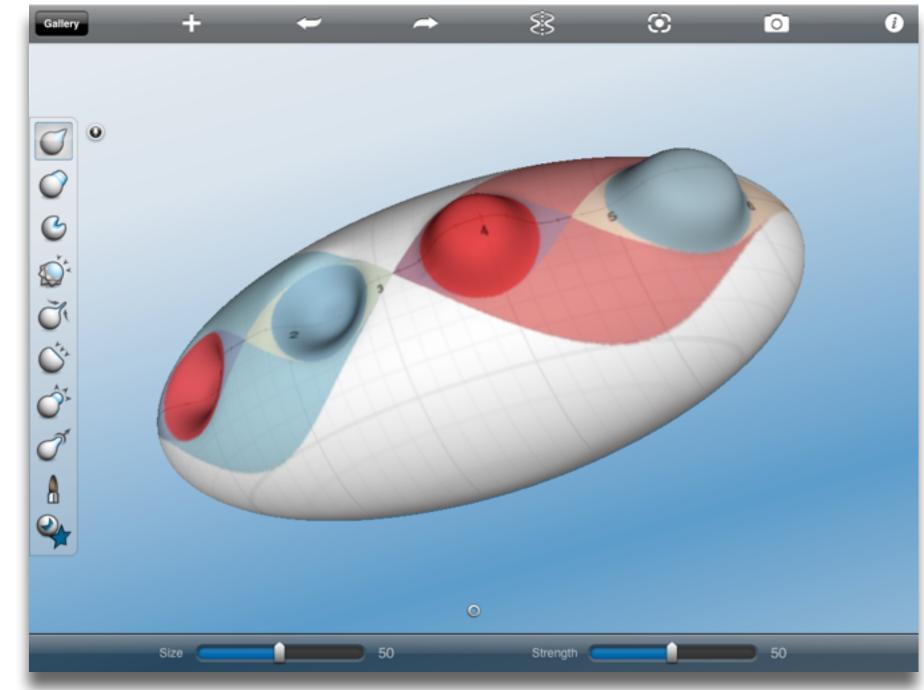
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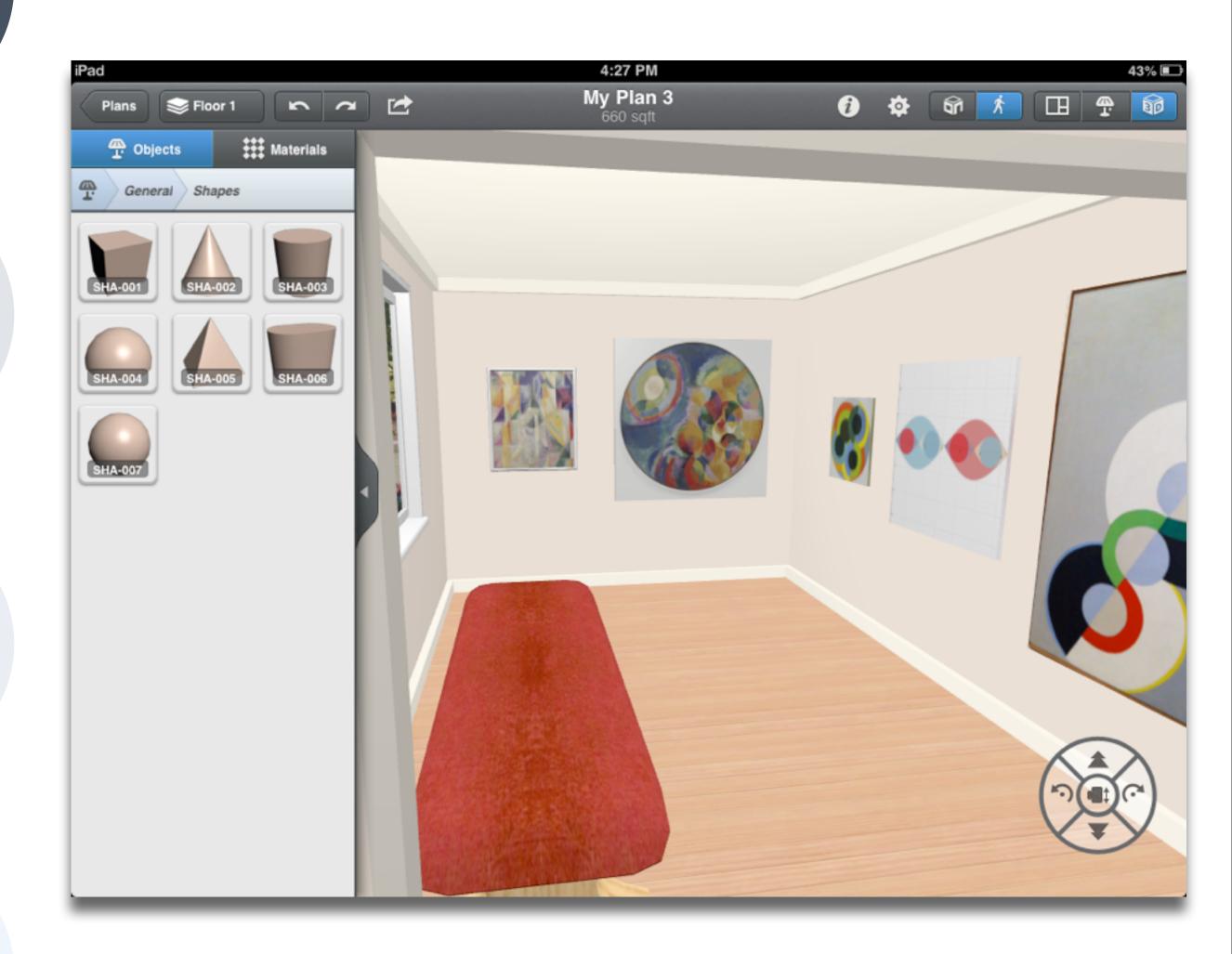
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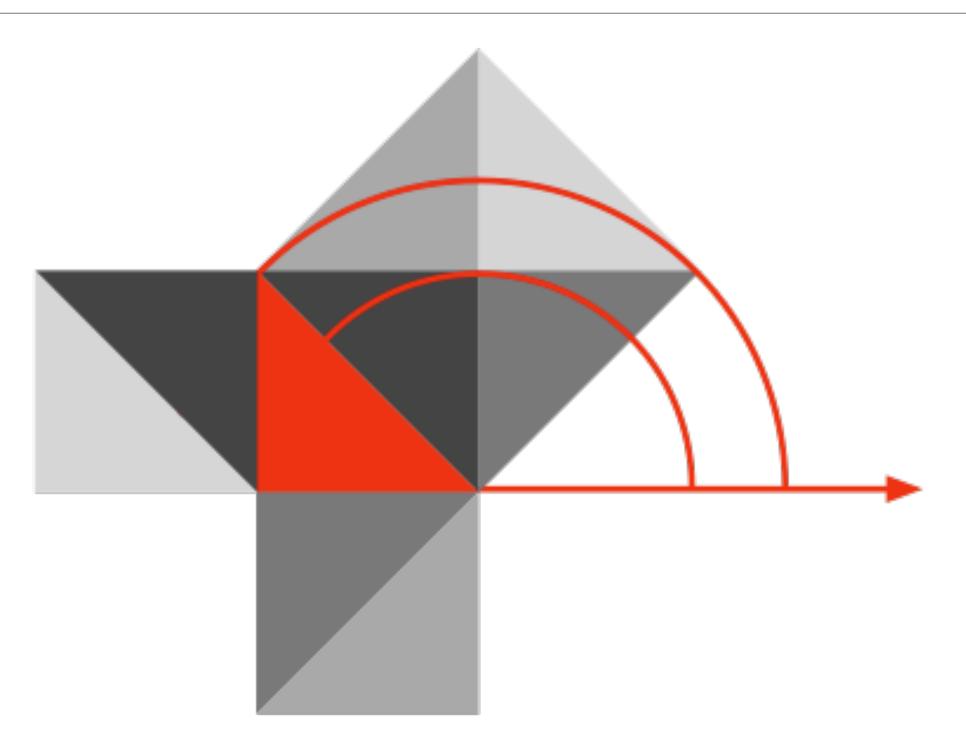
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Hippasus



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