SVSU's Continuous Improvement Plan: Technological Paths and Opportunities

Ruben R. Puentedura, Ph.D.

Tech acts as a direct tool substitute, with functional improvement

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

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

Modification Tech allows for significant task redesign Transformation

Augmentation

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

Redefinition	Transfo
Modification	ansformation
Augmentation	
Substitution	

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Shared Practices

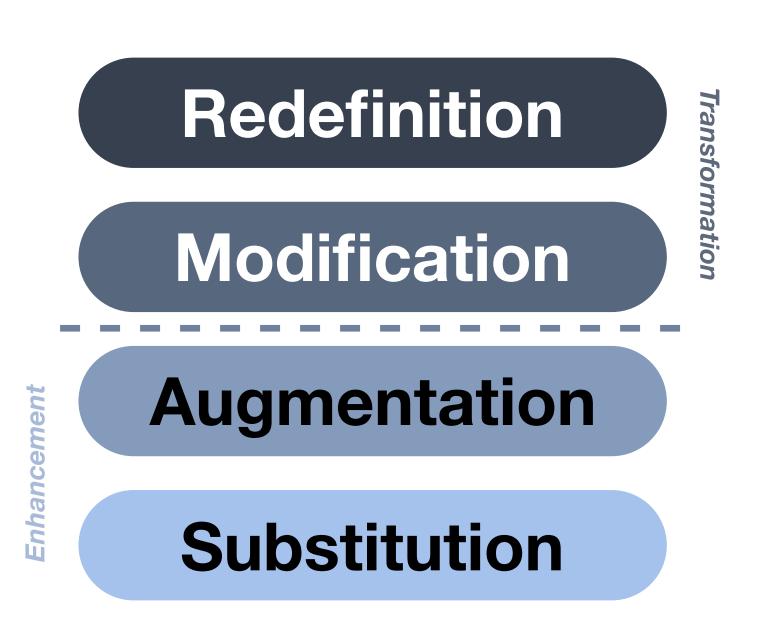






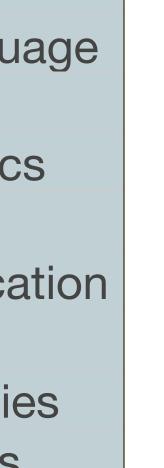






ELA Foreign Language Health Mathematics Music Physical Education Science Social Studies Visual Arts







Shared Practices



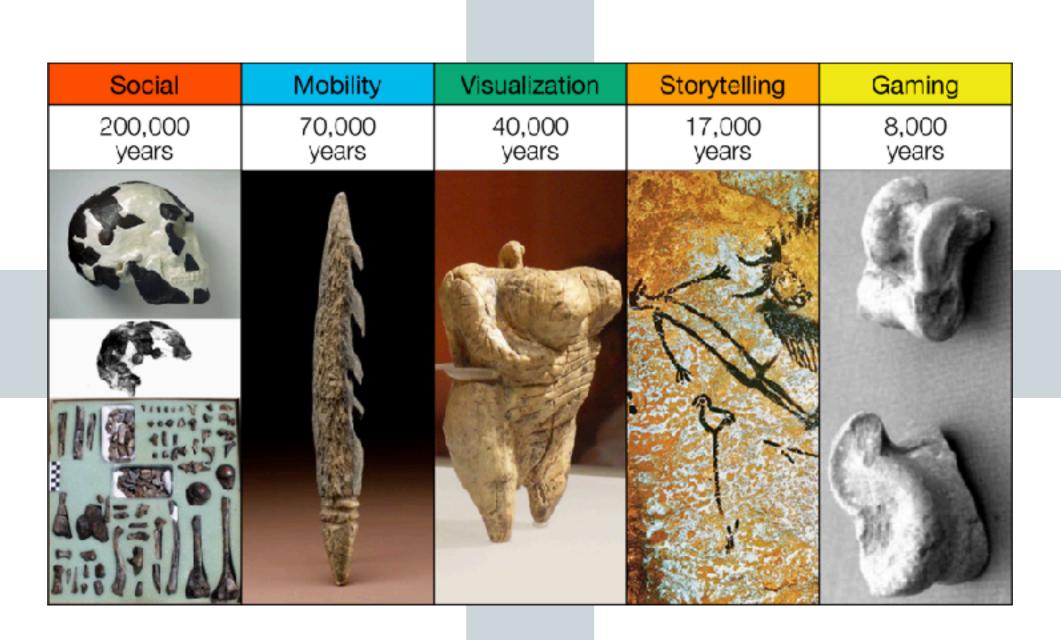




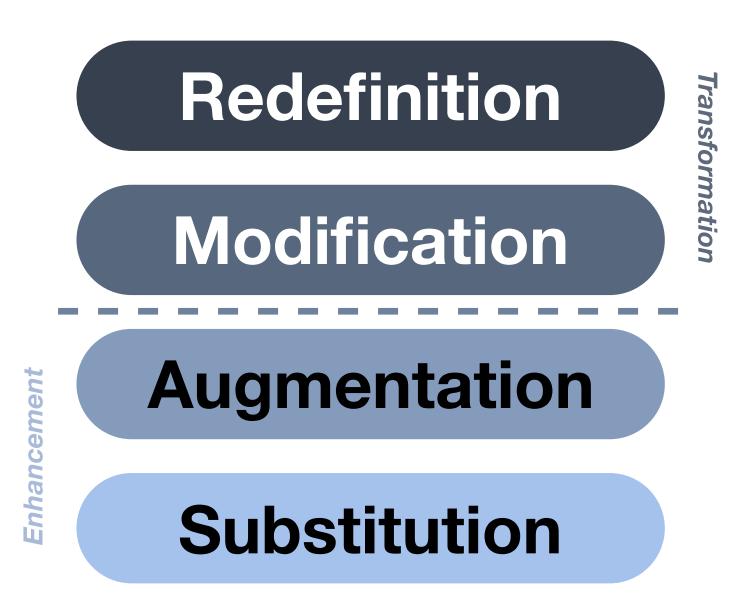




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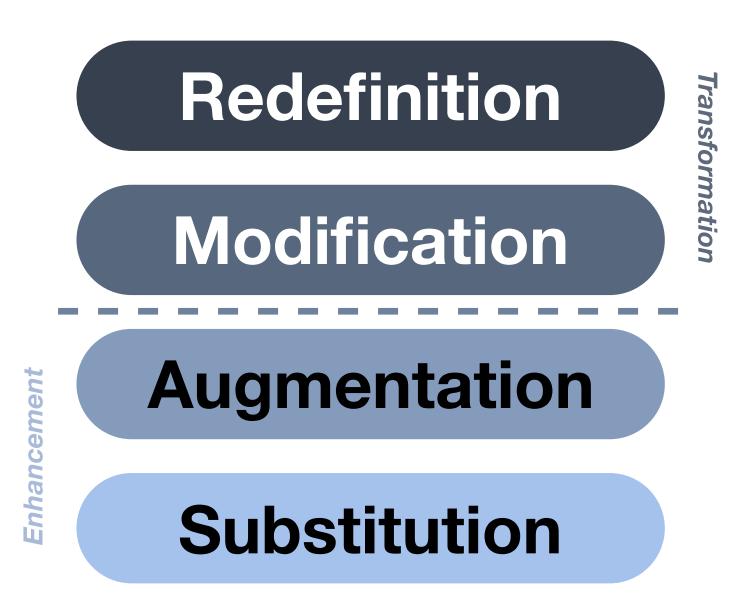


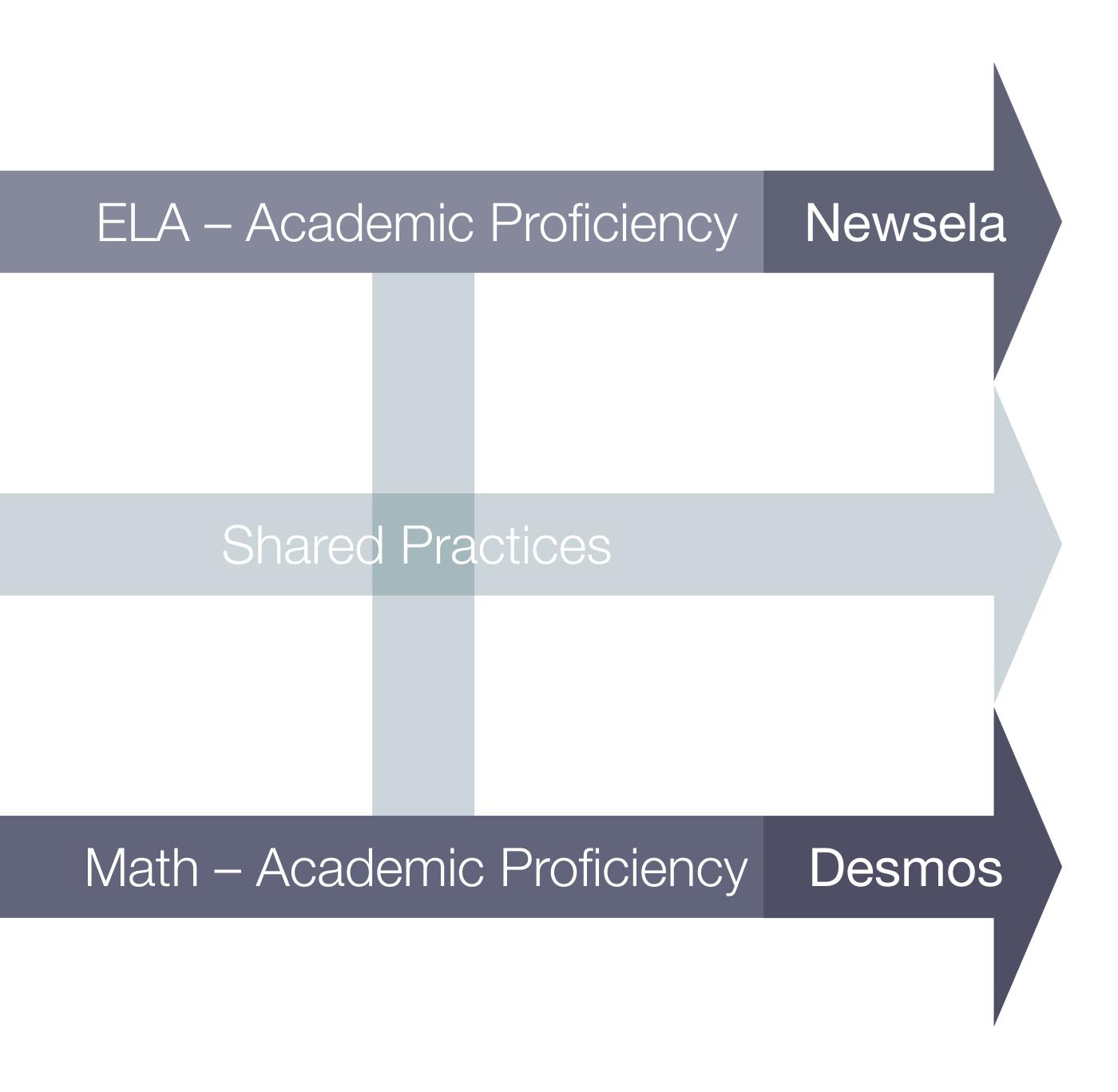
ELA – Academic Proficiency

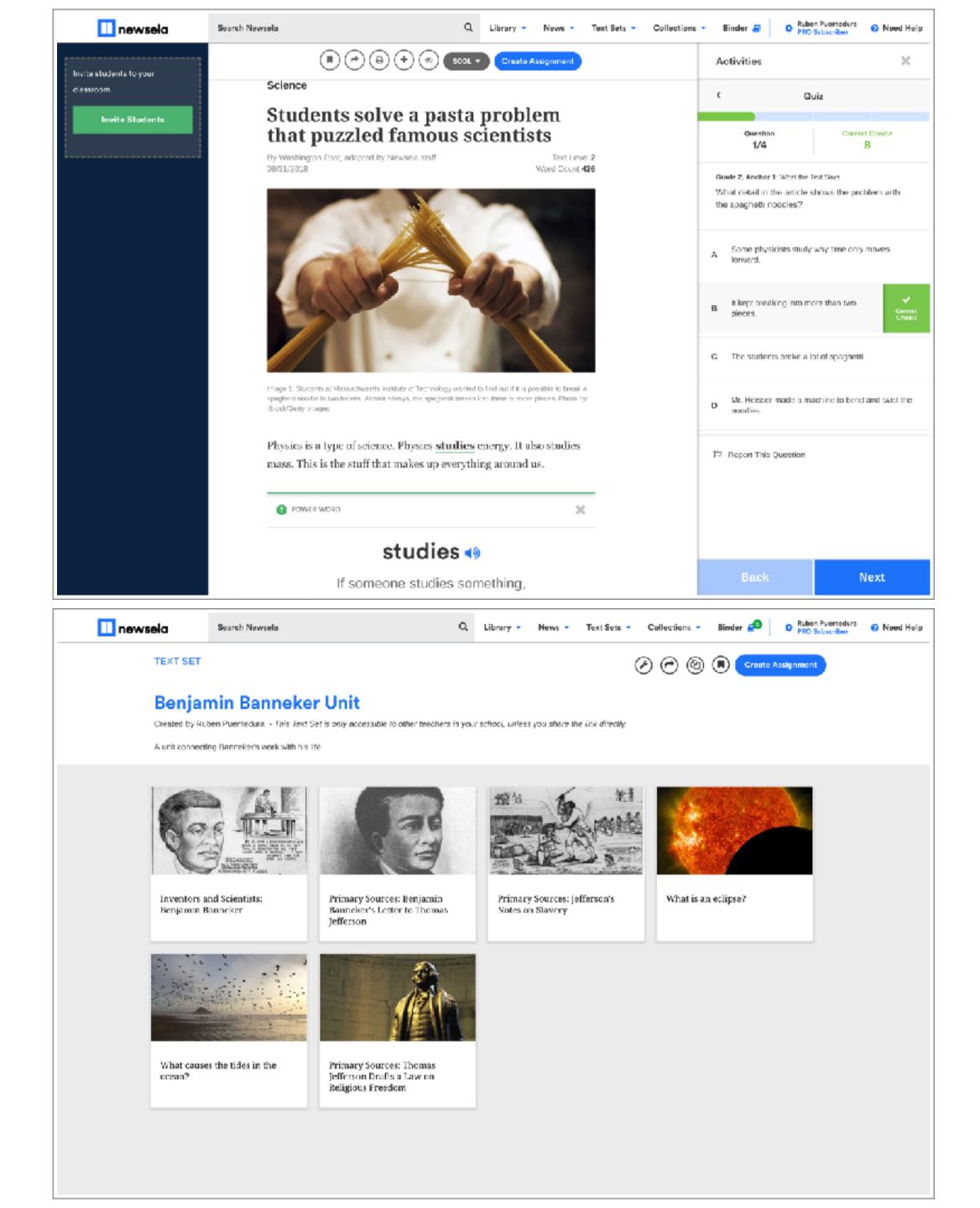
Shared Practices

Math – Academic Proficiency





















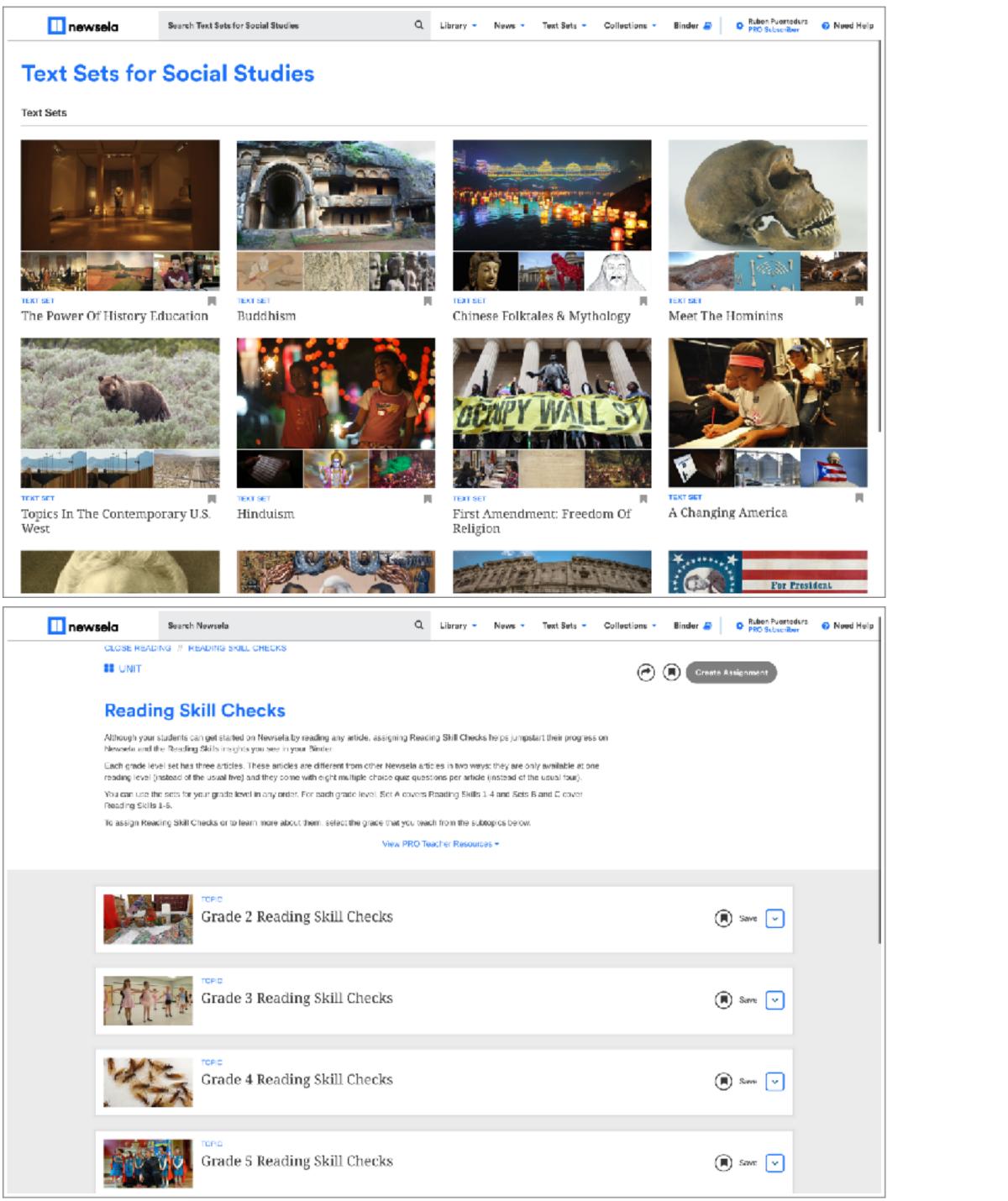


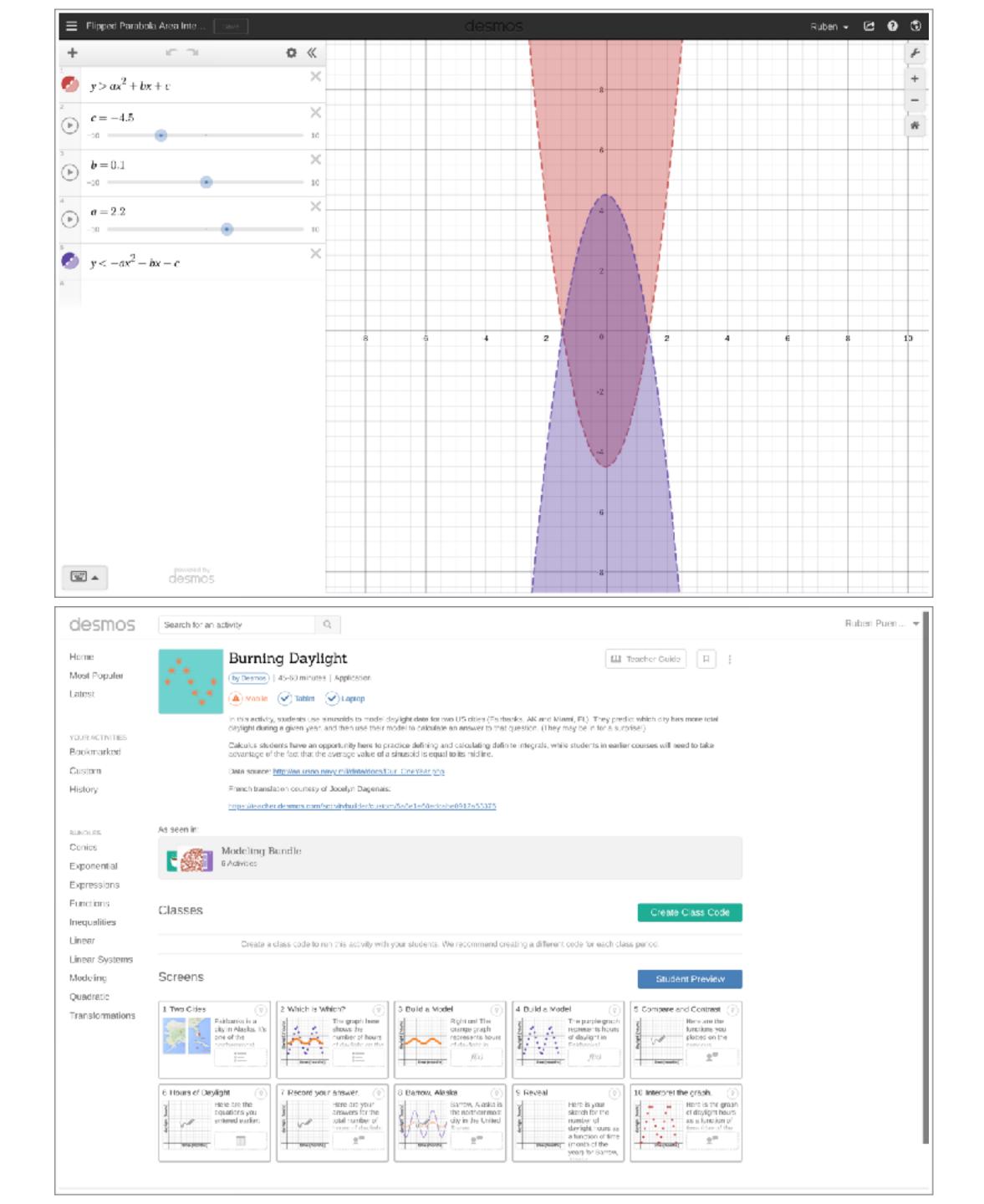


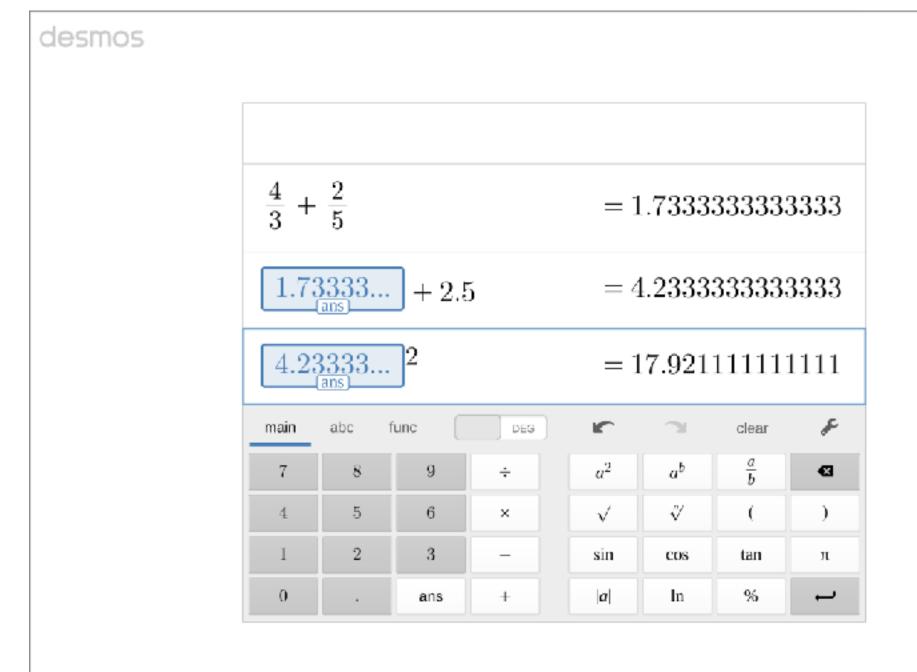




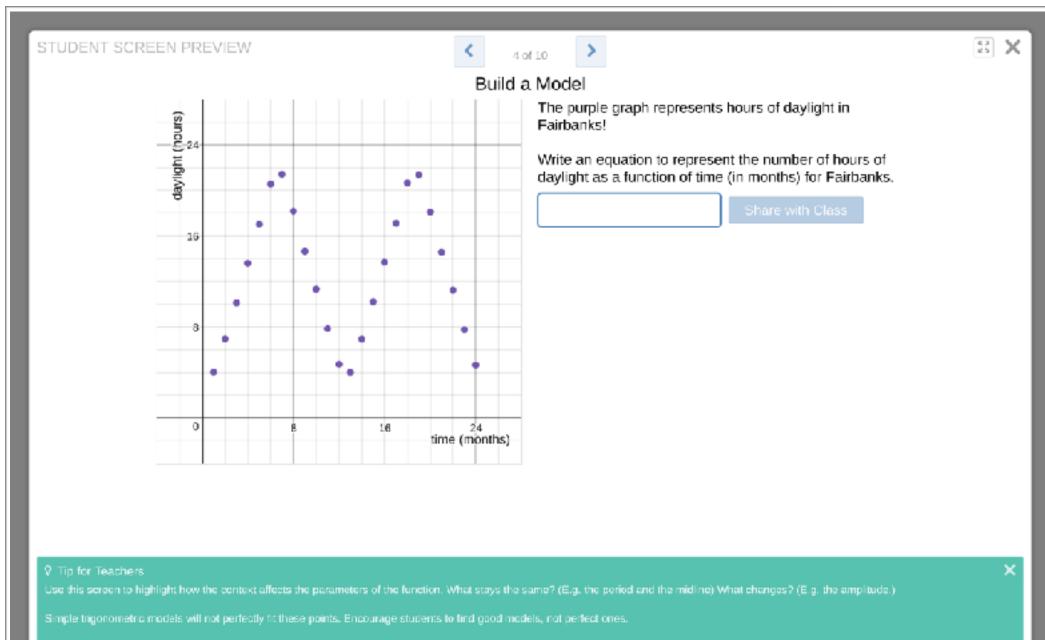








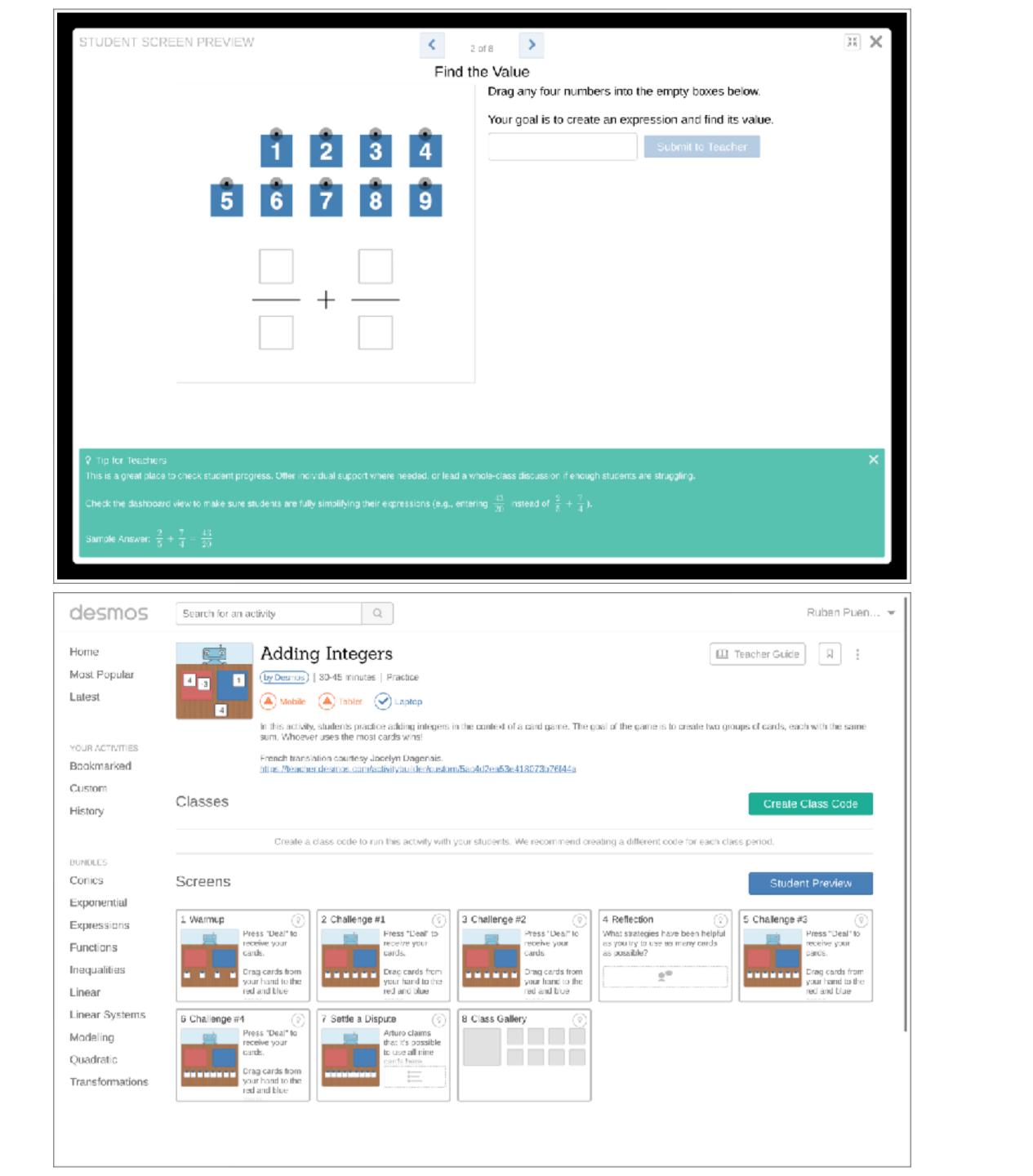
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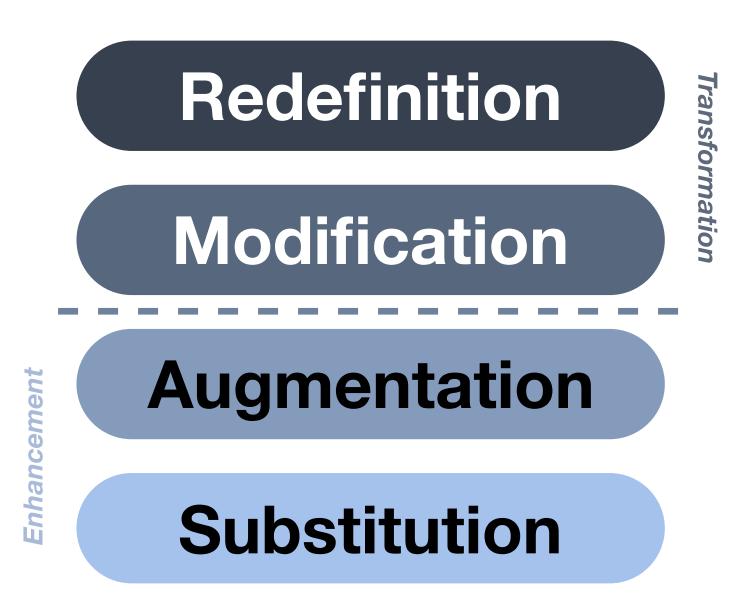


imple Answer: $y = 12.7 + 8.8 \cos\left(rac{2\pi}{10} \left(x - 6.7
ight)
ight)$ (Note: this is an unusually precise model which is not necessary or expected from students in this activity.

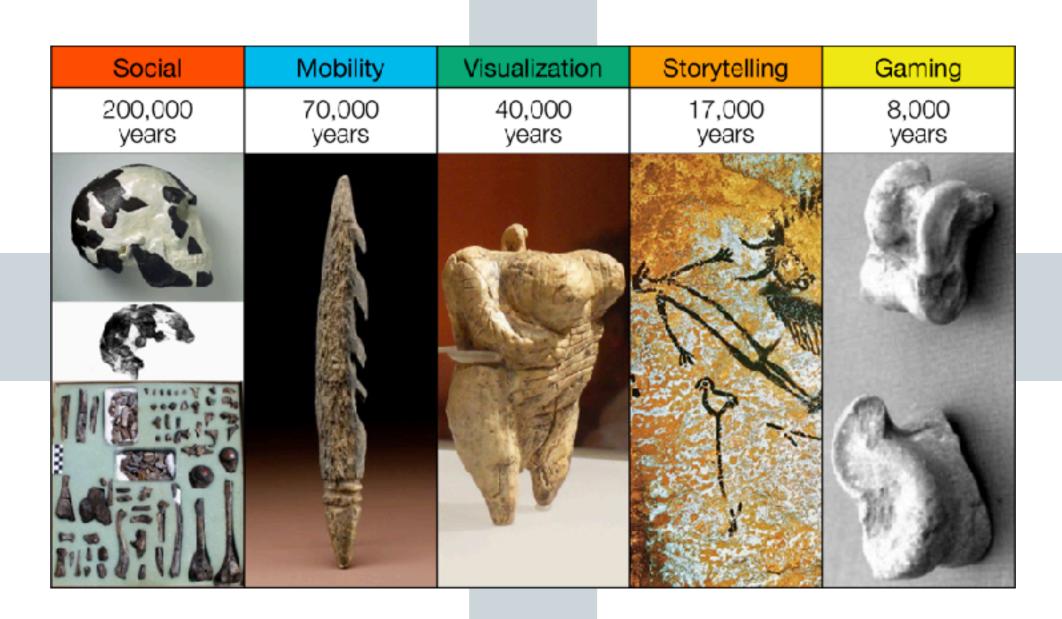


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ELA – Academic Proficiency Newsela



Math – Academic Proficiency Desmos



Redefinition

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Extended Thinking

Strategic Thinking

Skills and Concepts

Recall and Reproduction

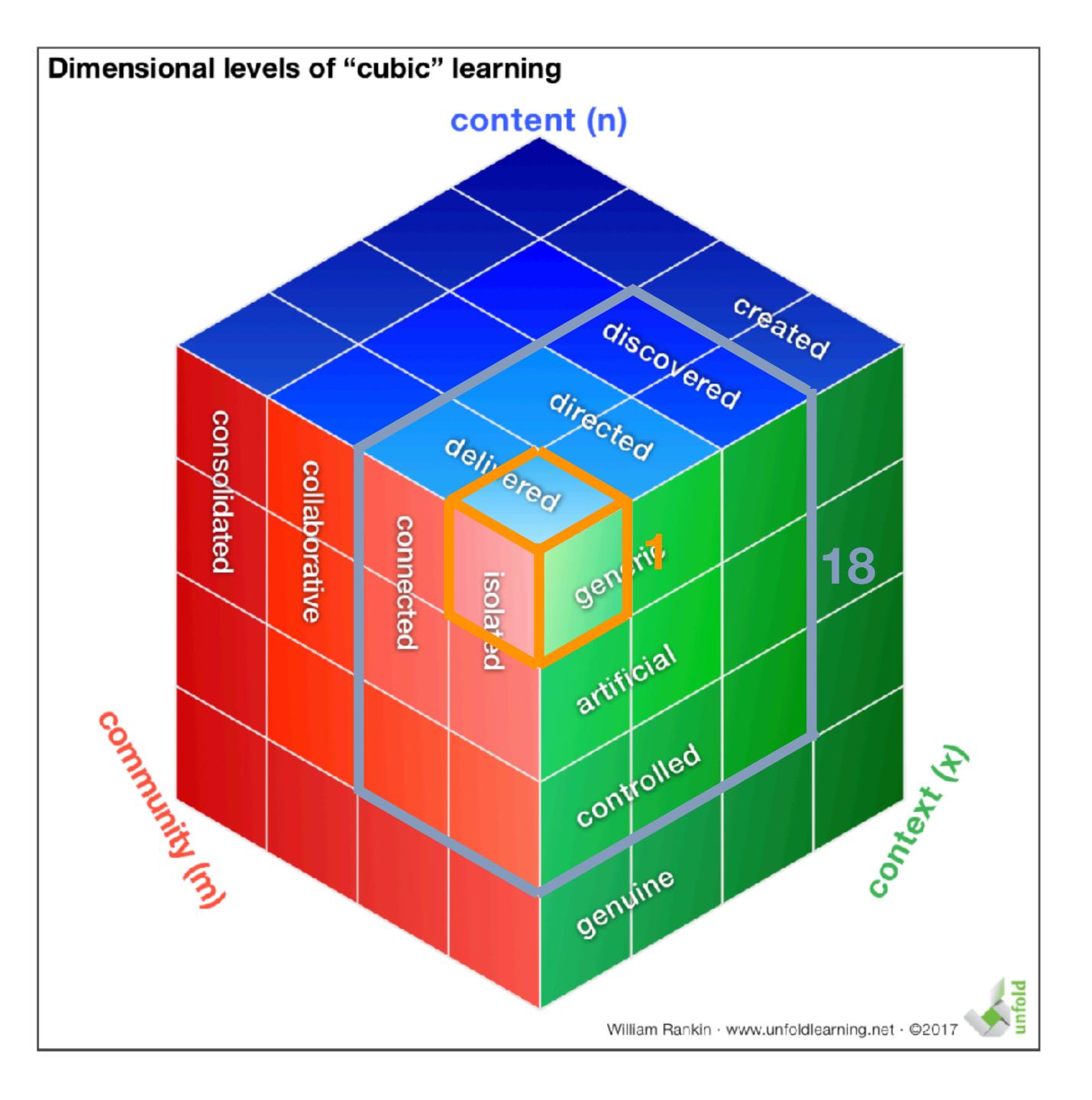
Webb, Norman L. Depth-of-knowledge levels for four content areas. (2002)

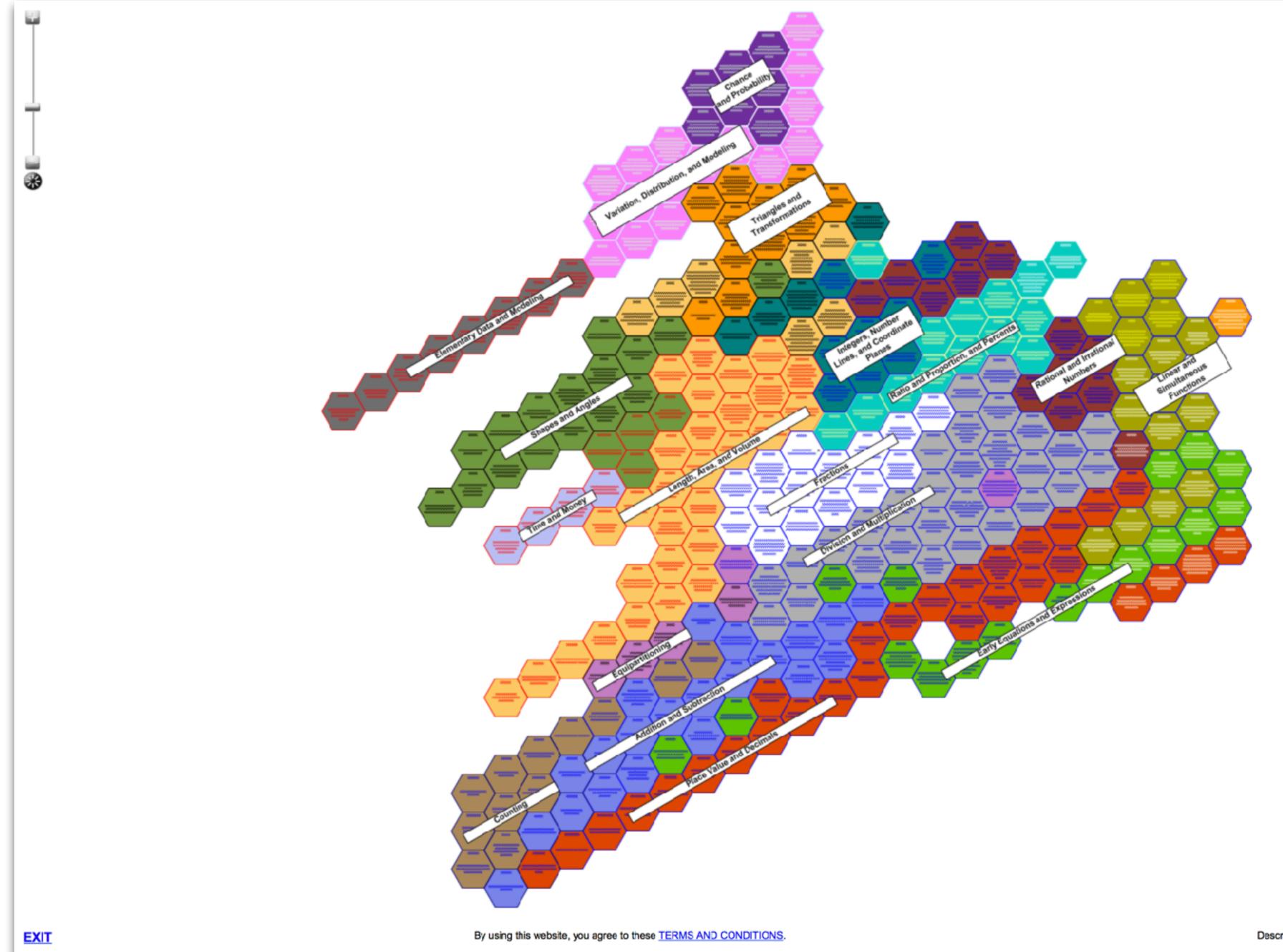






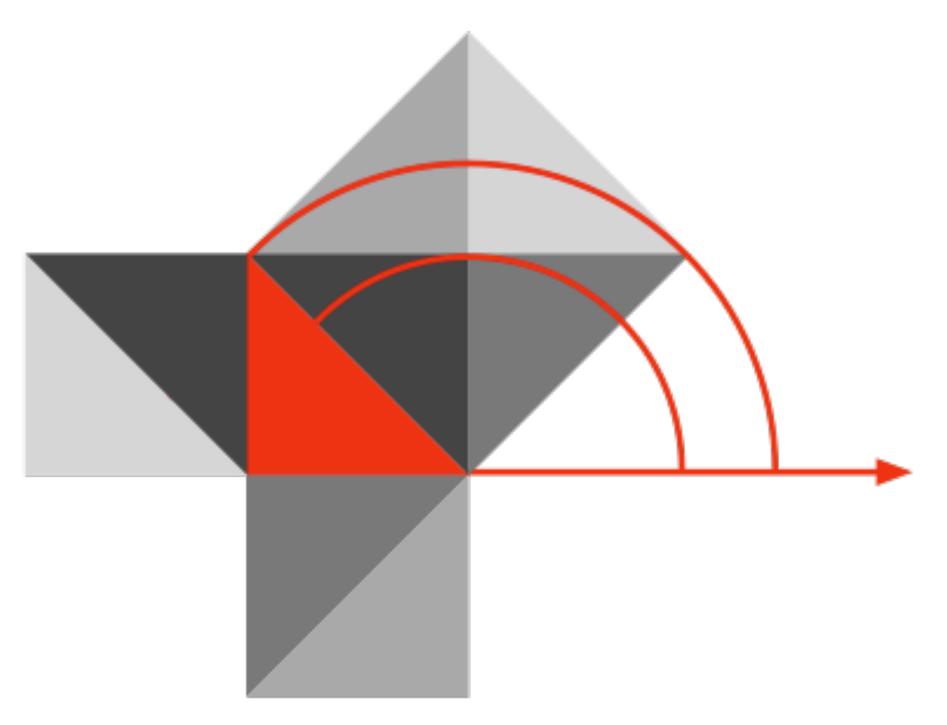








Hippasus



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