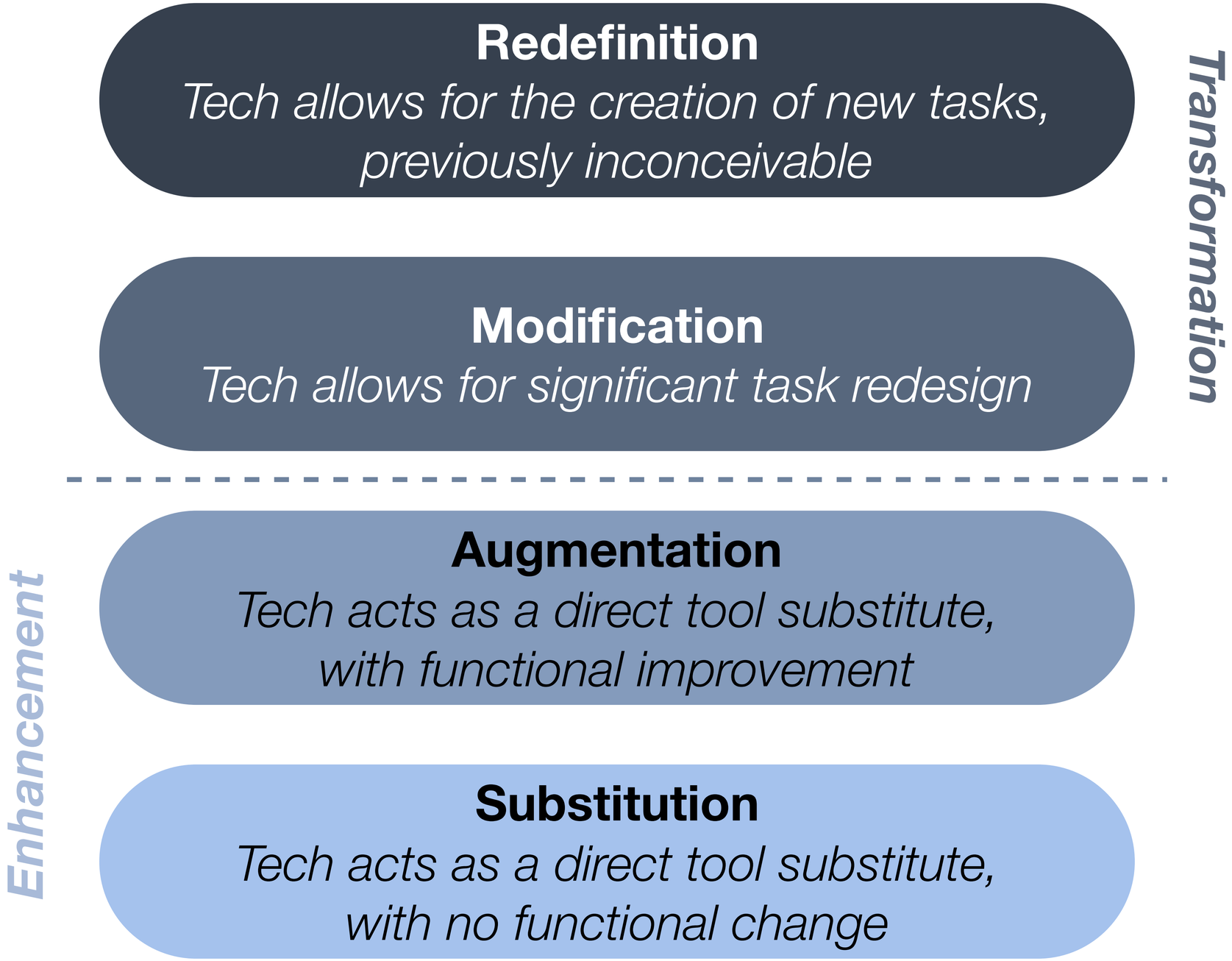
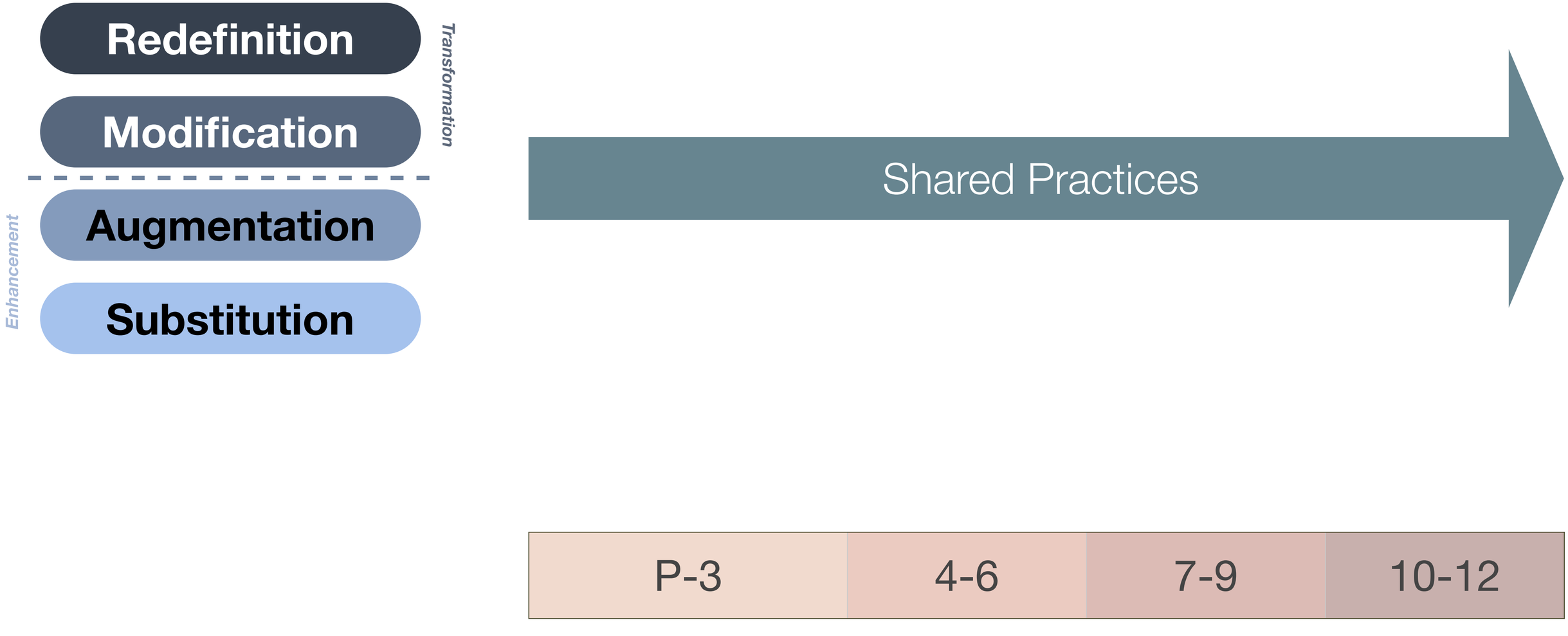
SAMR and the Learning Design Process

Ruben R. Puentedura, Ph.D.



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


Redefinition
Modification
Augmentation
Substitution
Transformation
Enhancement
Shared Practices
P-3
4-6
7-9
10-12

Language Arts
French/Mi'kmaw/Gaelic
Health
ICT/Coding
Mathematics
Music
Physical Education
Science
Social Studies
Visual Arts

Redefinition

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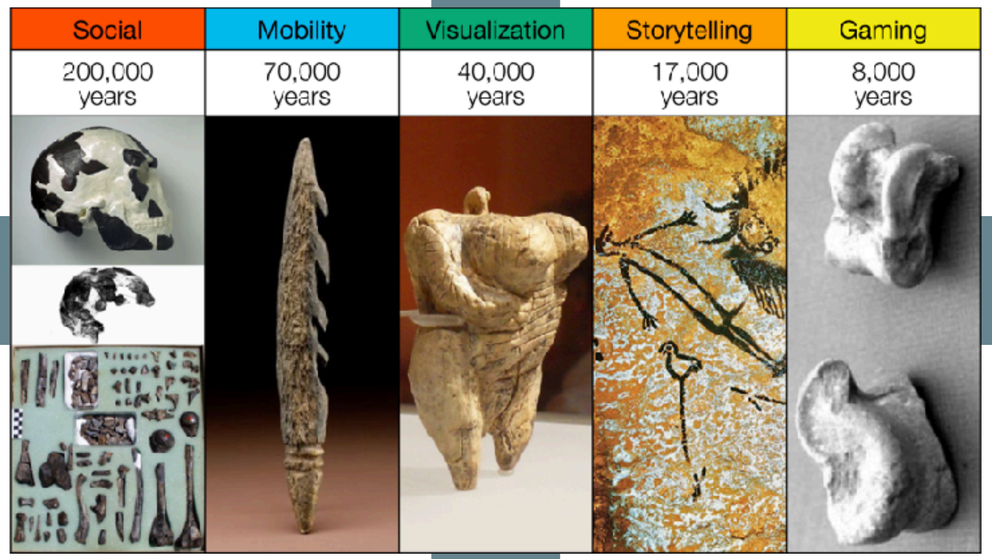

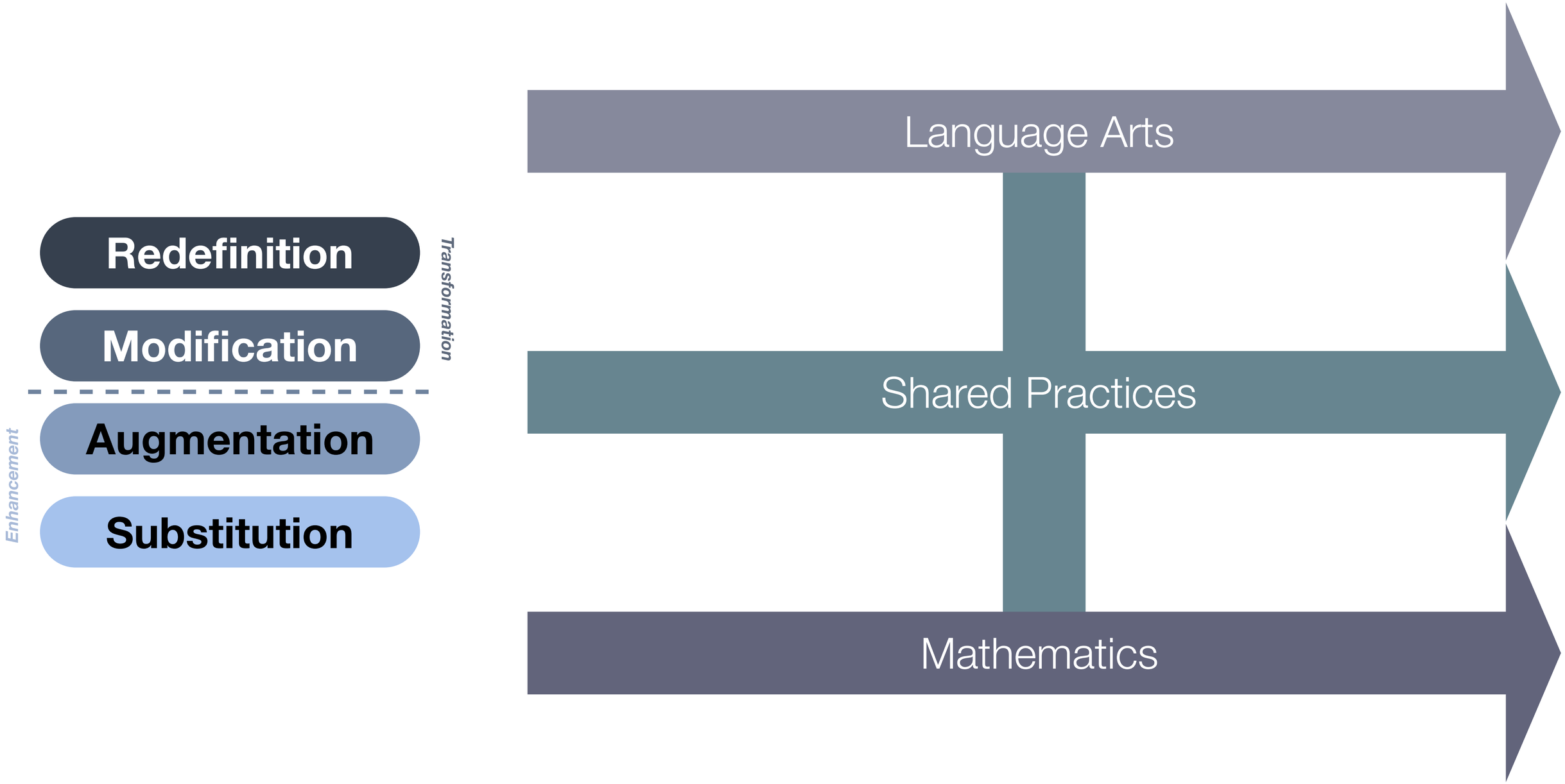
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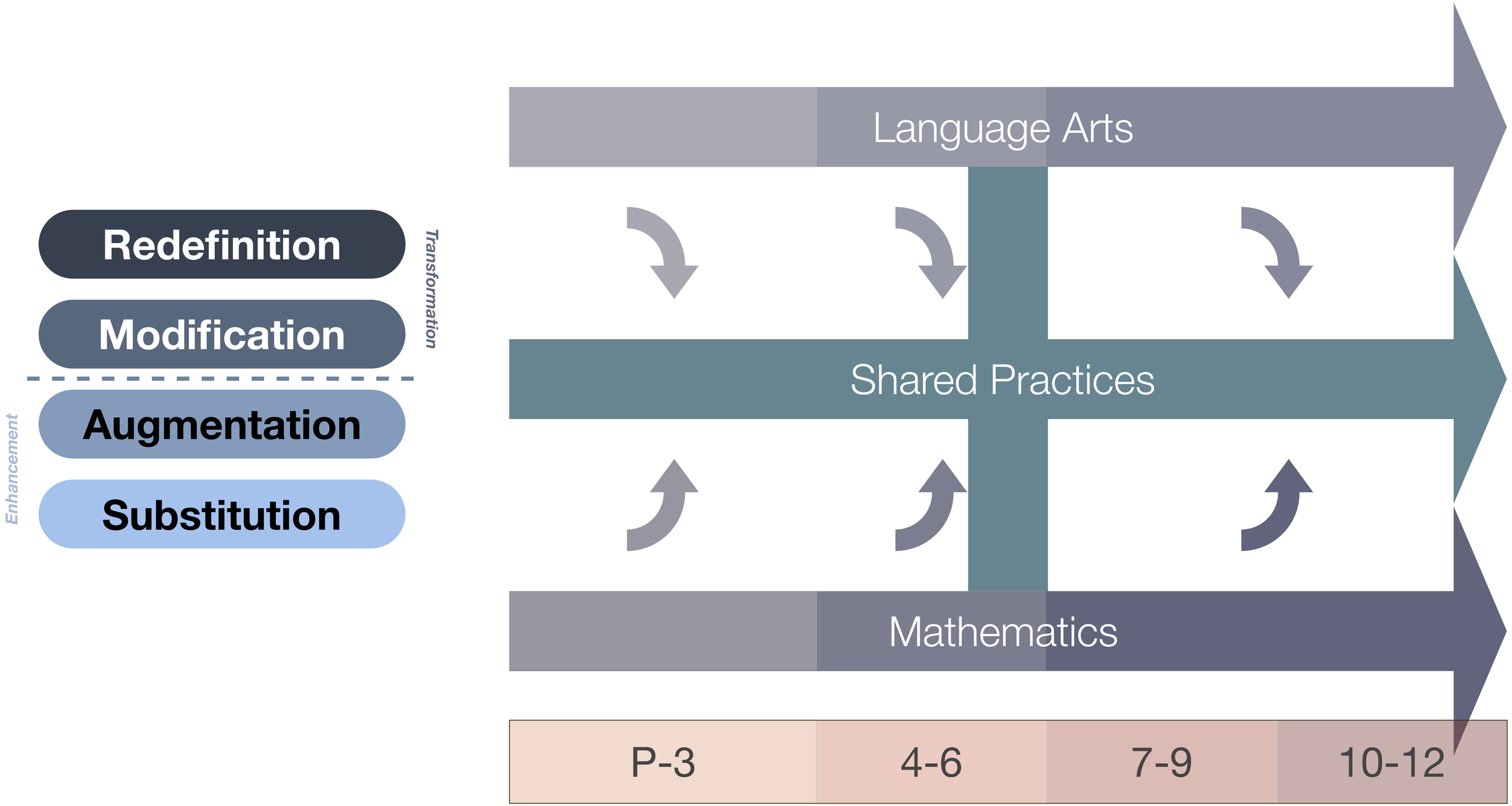
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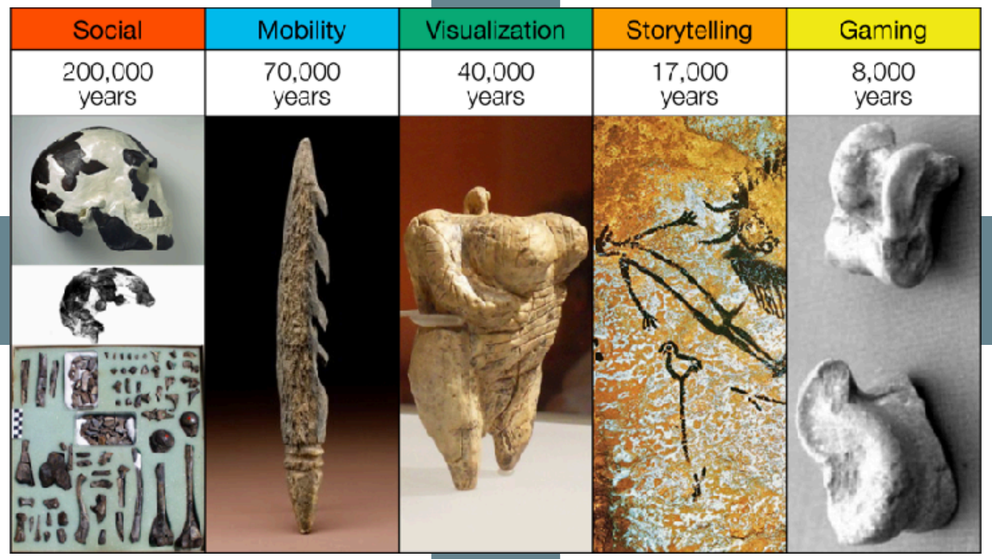


Mathematics

P-3 | 4-6 | 7-9 | 10-12

Universal Design for Learning – Guidelines

1. Provide Multiple Means of Engagement
    - Provide options for recruiting interest
    - Provide options for sustaining effort and persistence
    - Provide options for self regulation
2. Provide Multiple Means of Representation
    - Provide options for perception
    - Provide options for language and symbols
    - Provide options for comprehension
3. Provide Multiple Means of Action and Expression
    - Provide options for physical action
    - Provide options for expression and communication
    - Provide options for executive functions

CAST. *Universal Design for Learning Guidelines version 2.2*. Online at http://www.udlcenter.org/aboutudl/udlguidelines (2018)

Redefinition

Tech allows for the creation of new tasks, previously inconceivable

Modification

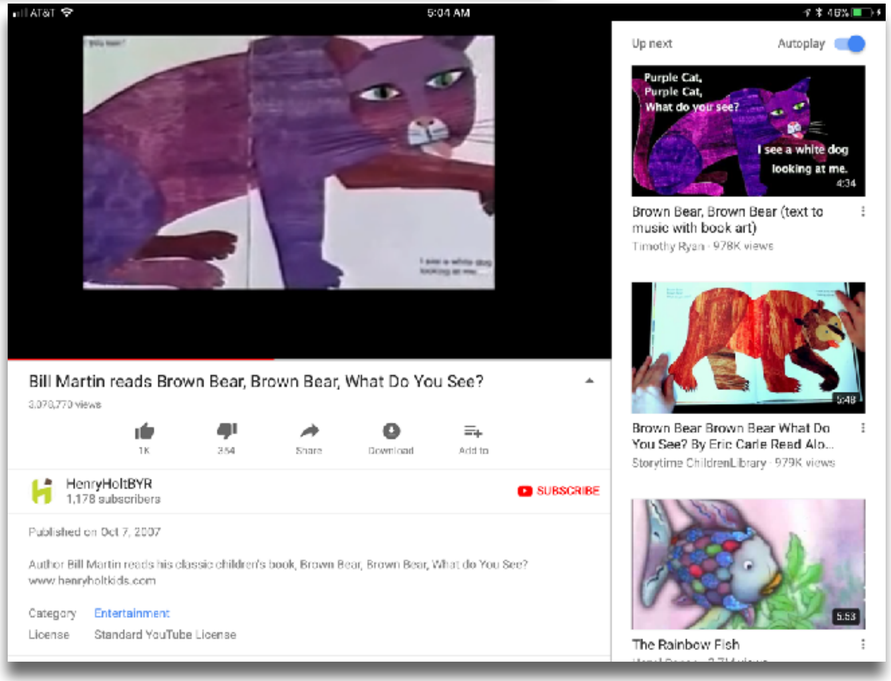
Tech allows for significant task redesign

Augmentation

Tech acts as a direct tool substitute, with functional improvement

Substitution

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



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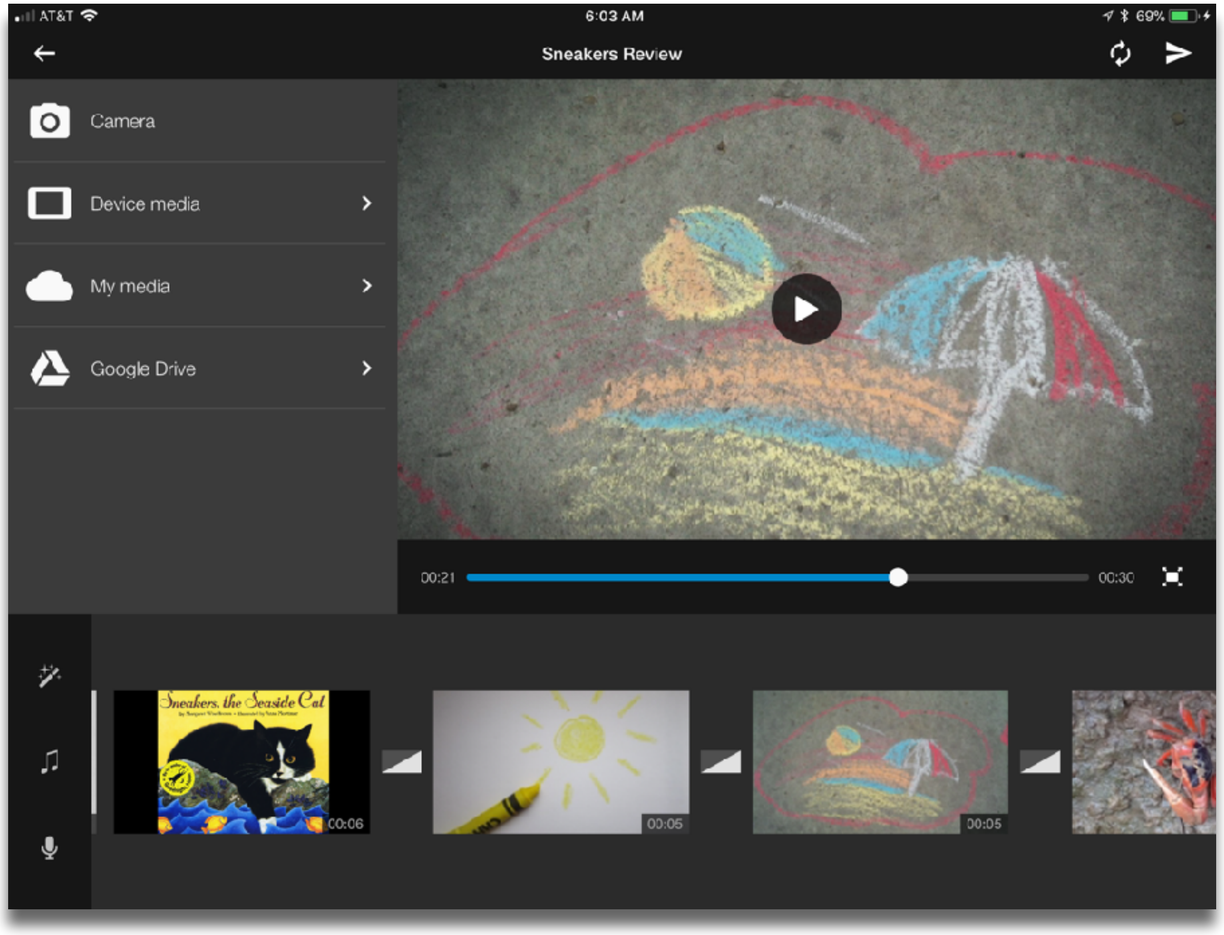

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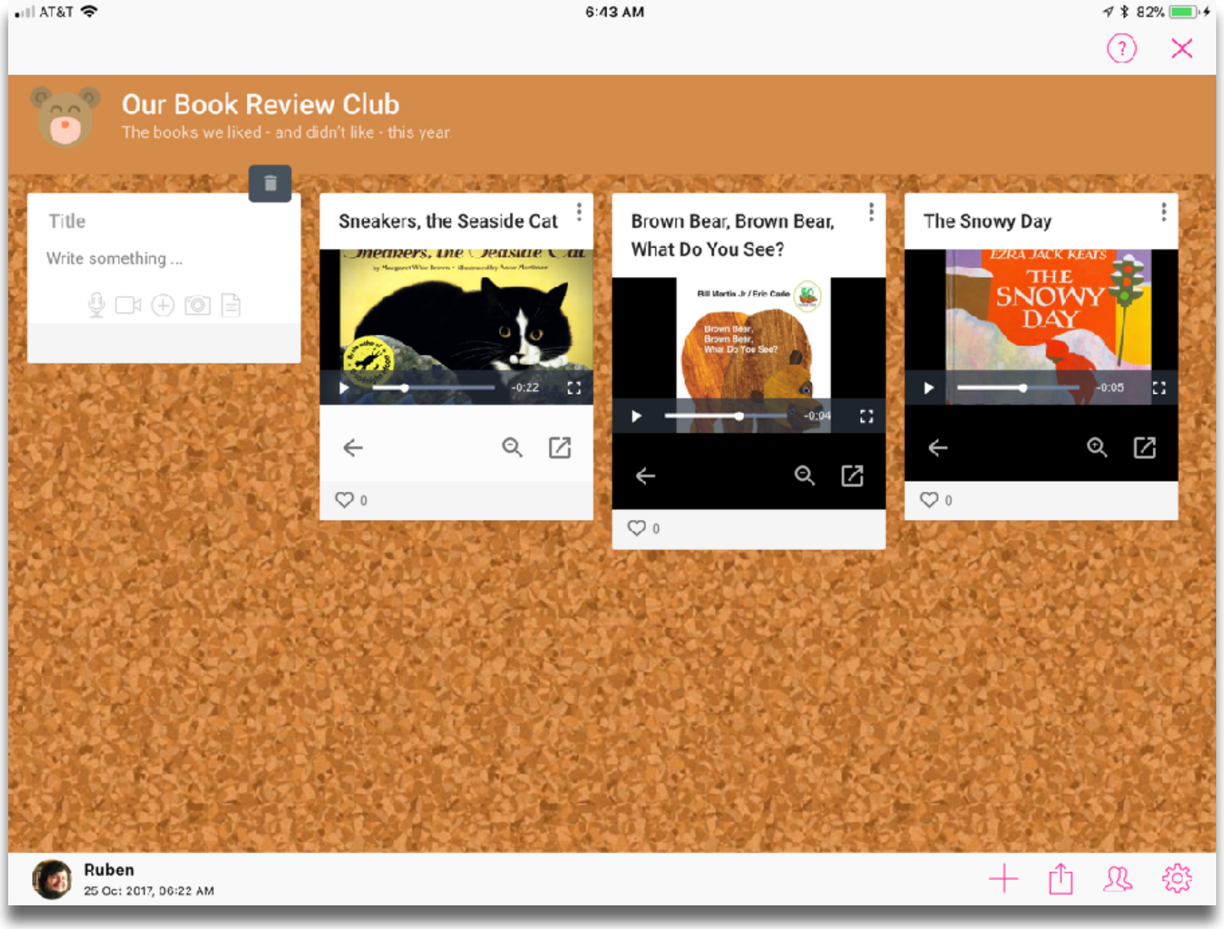

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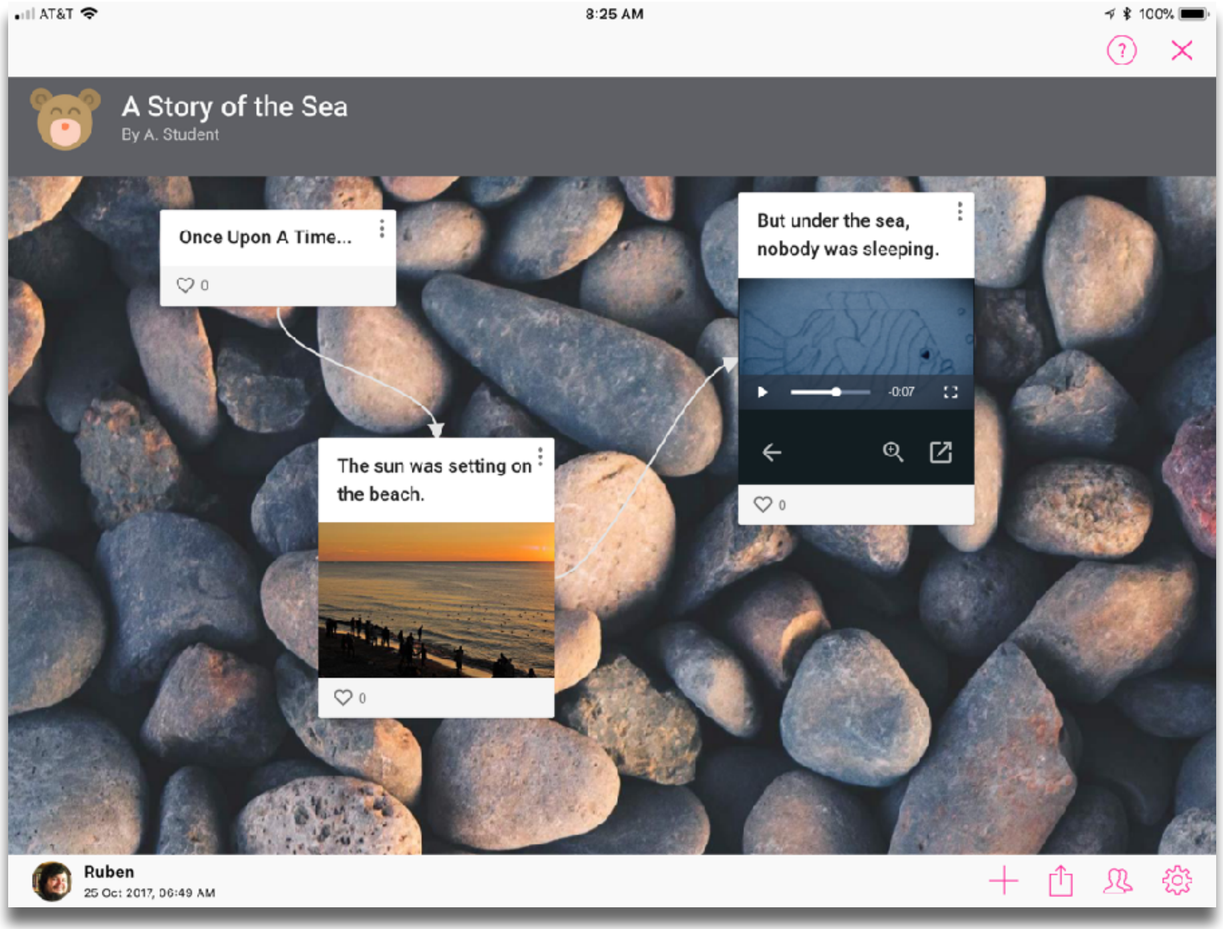

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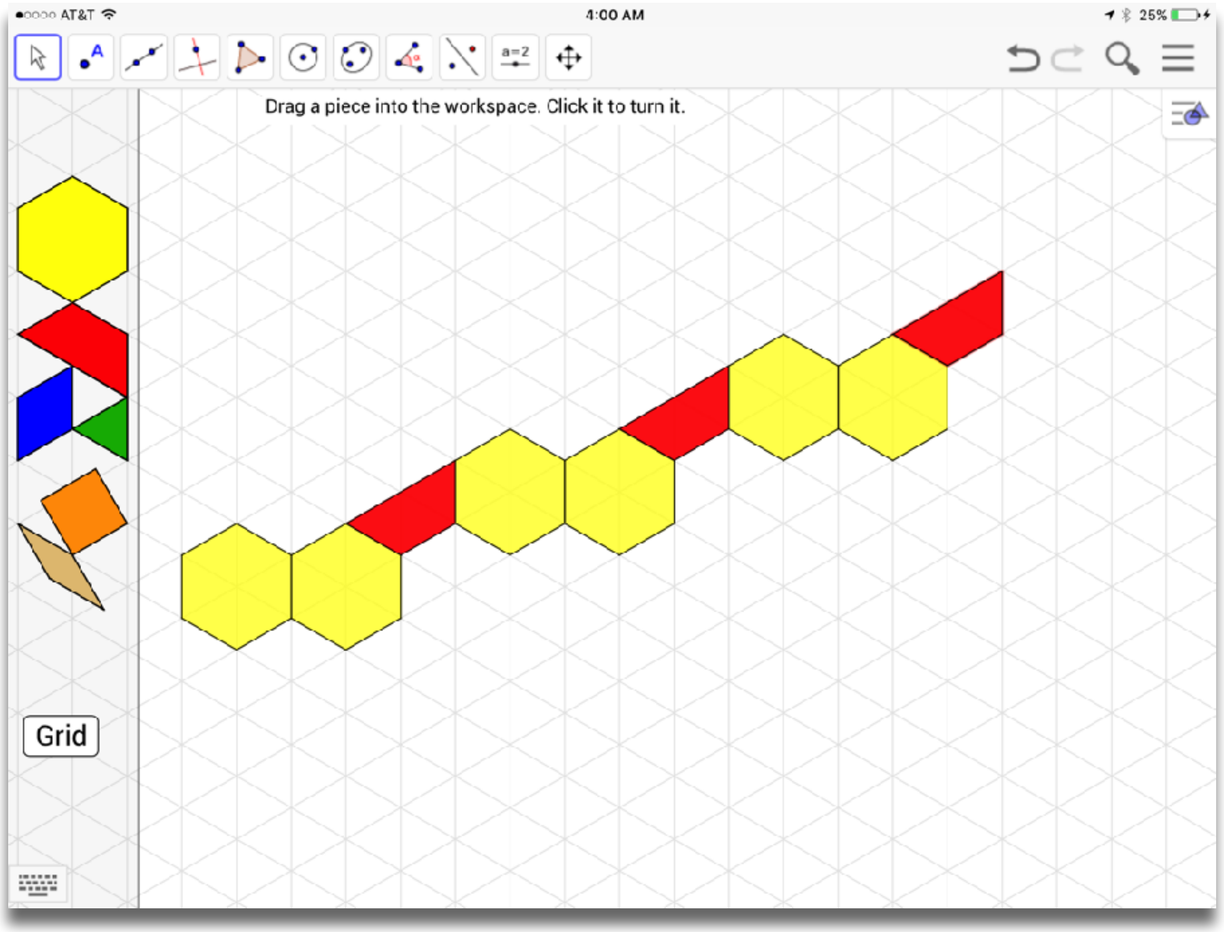

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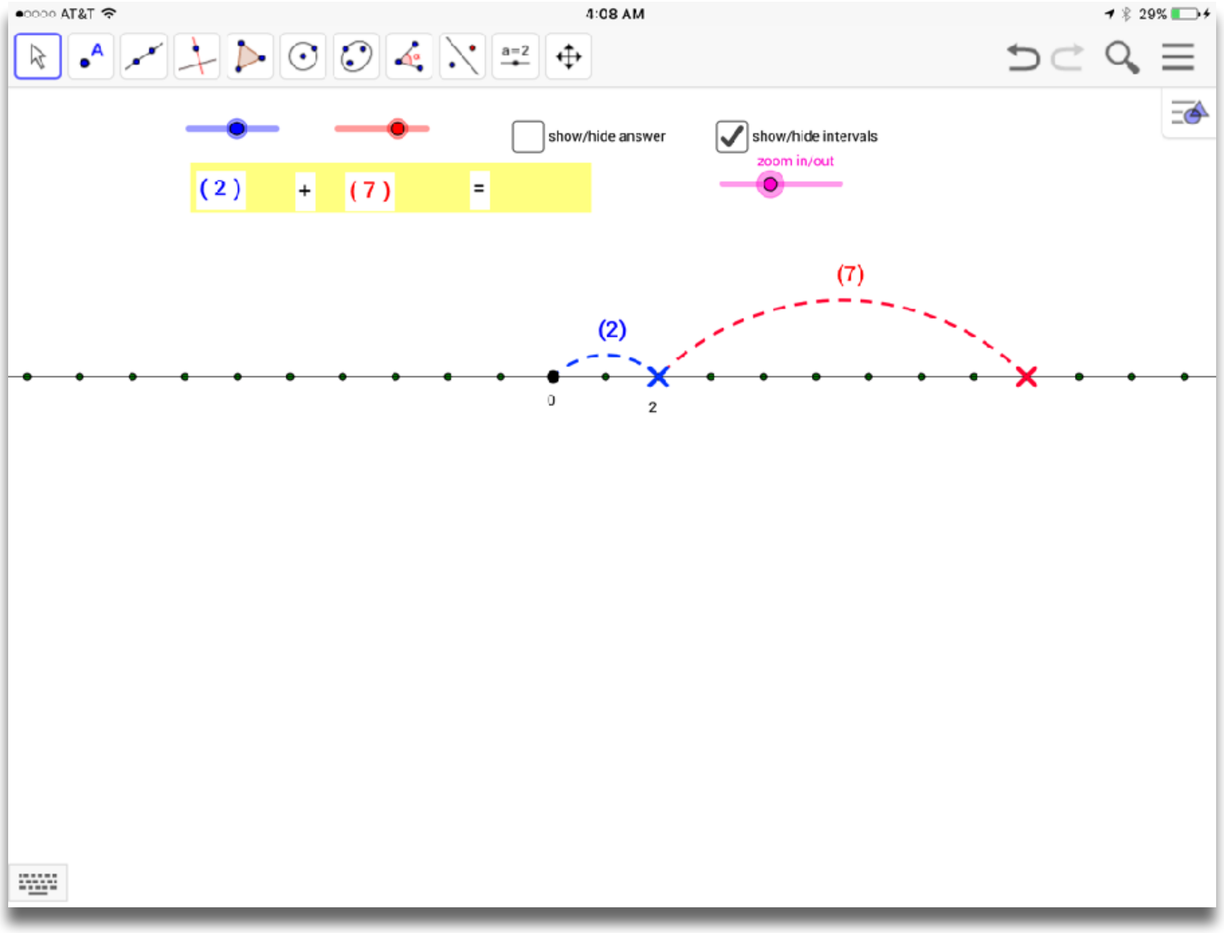

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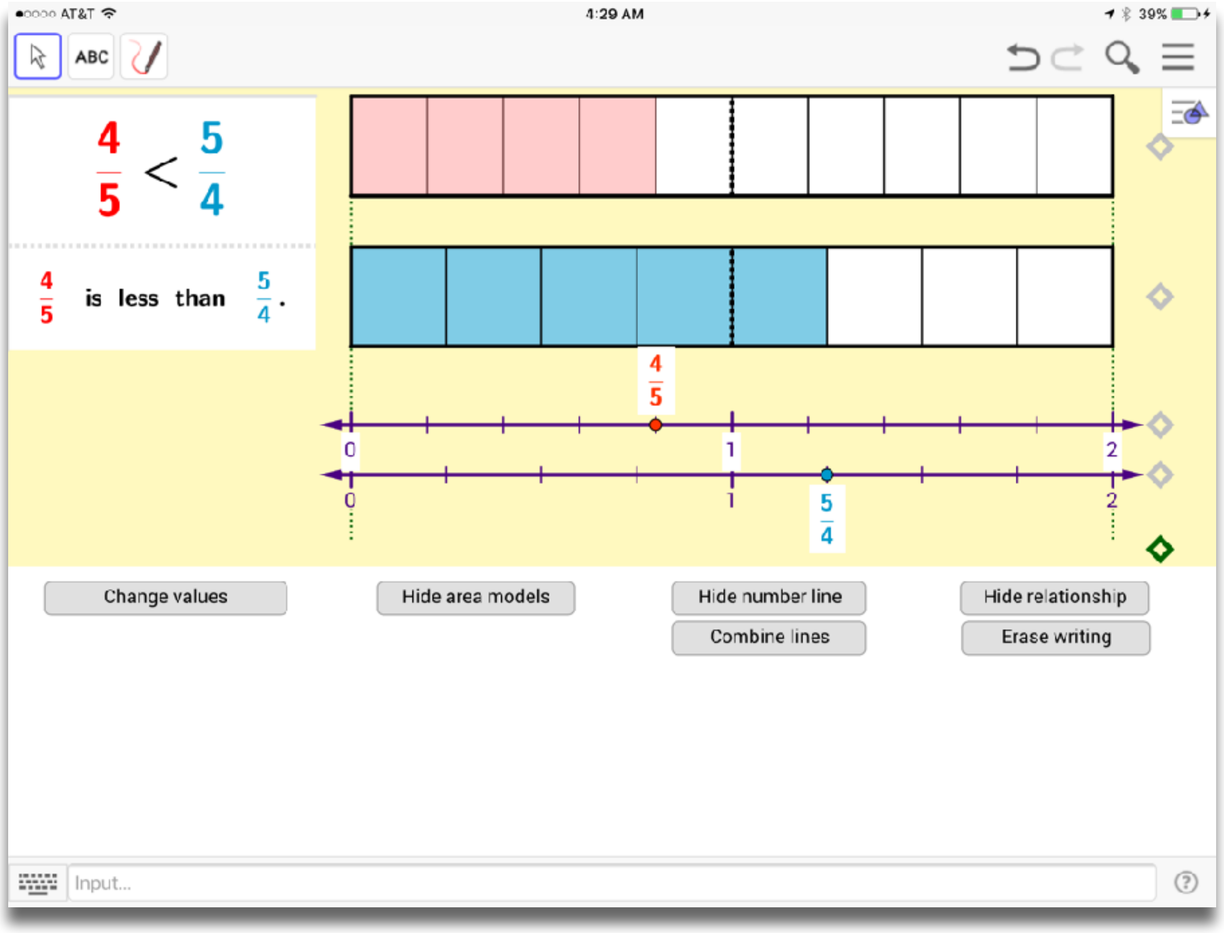

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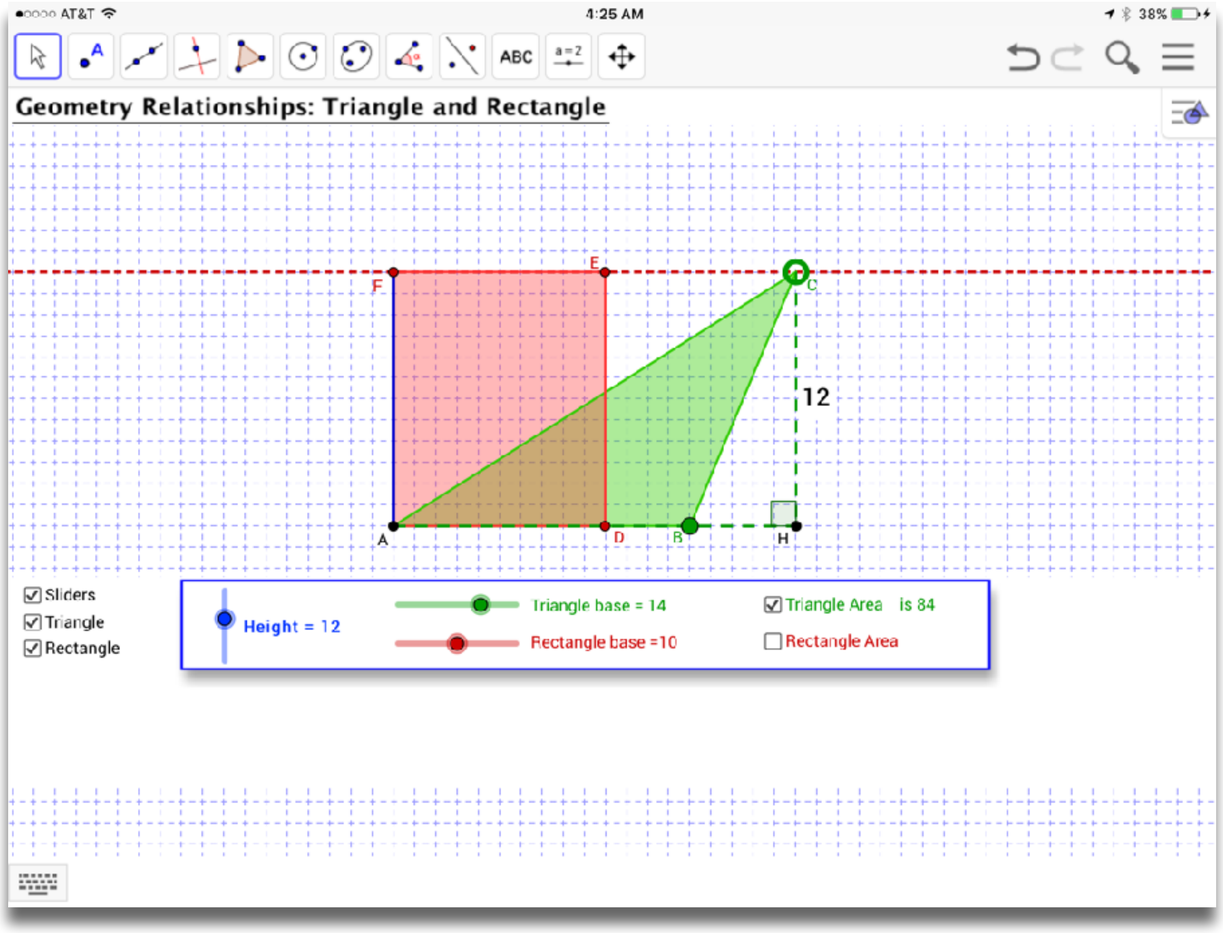

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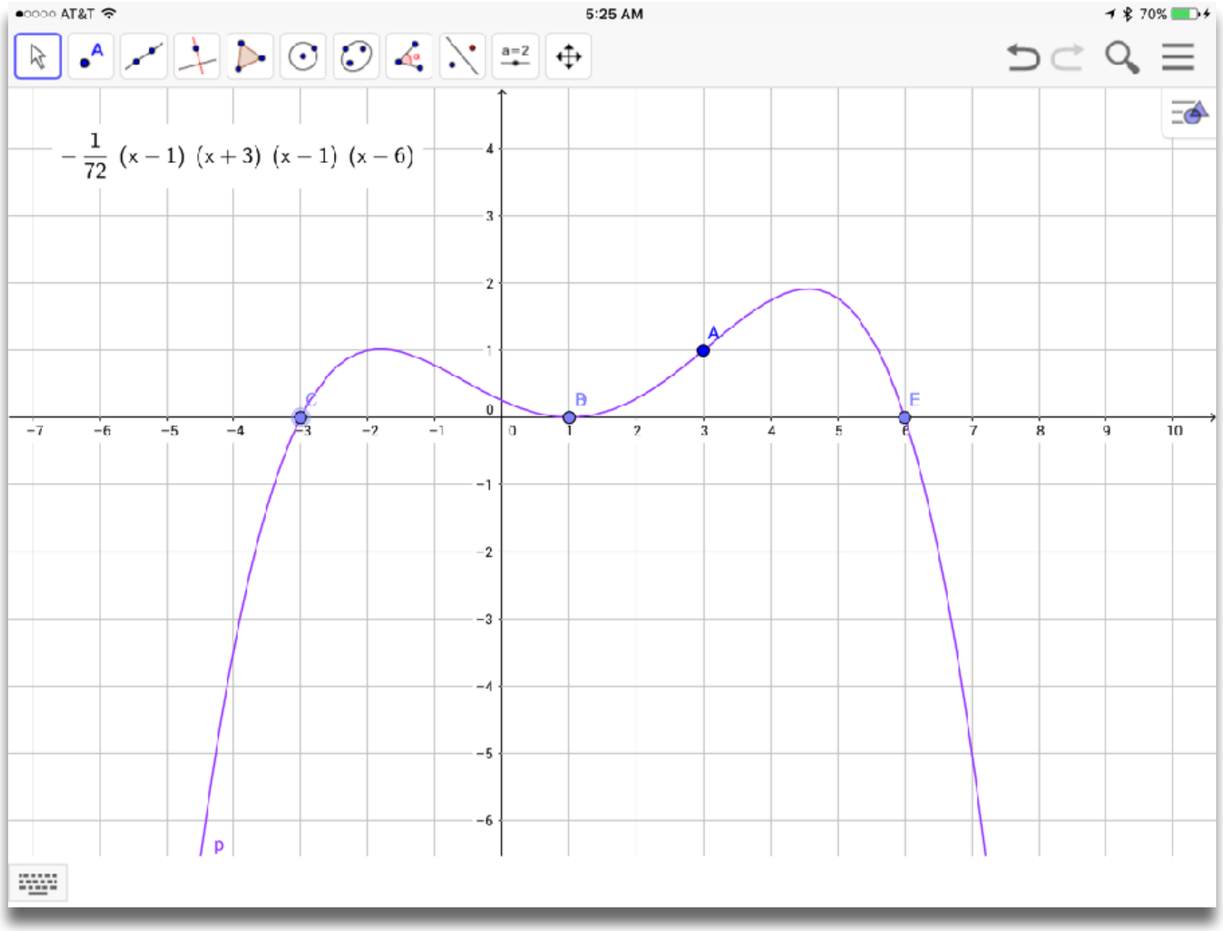

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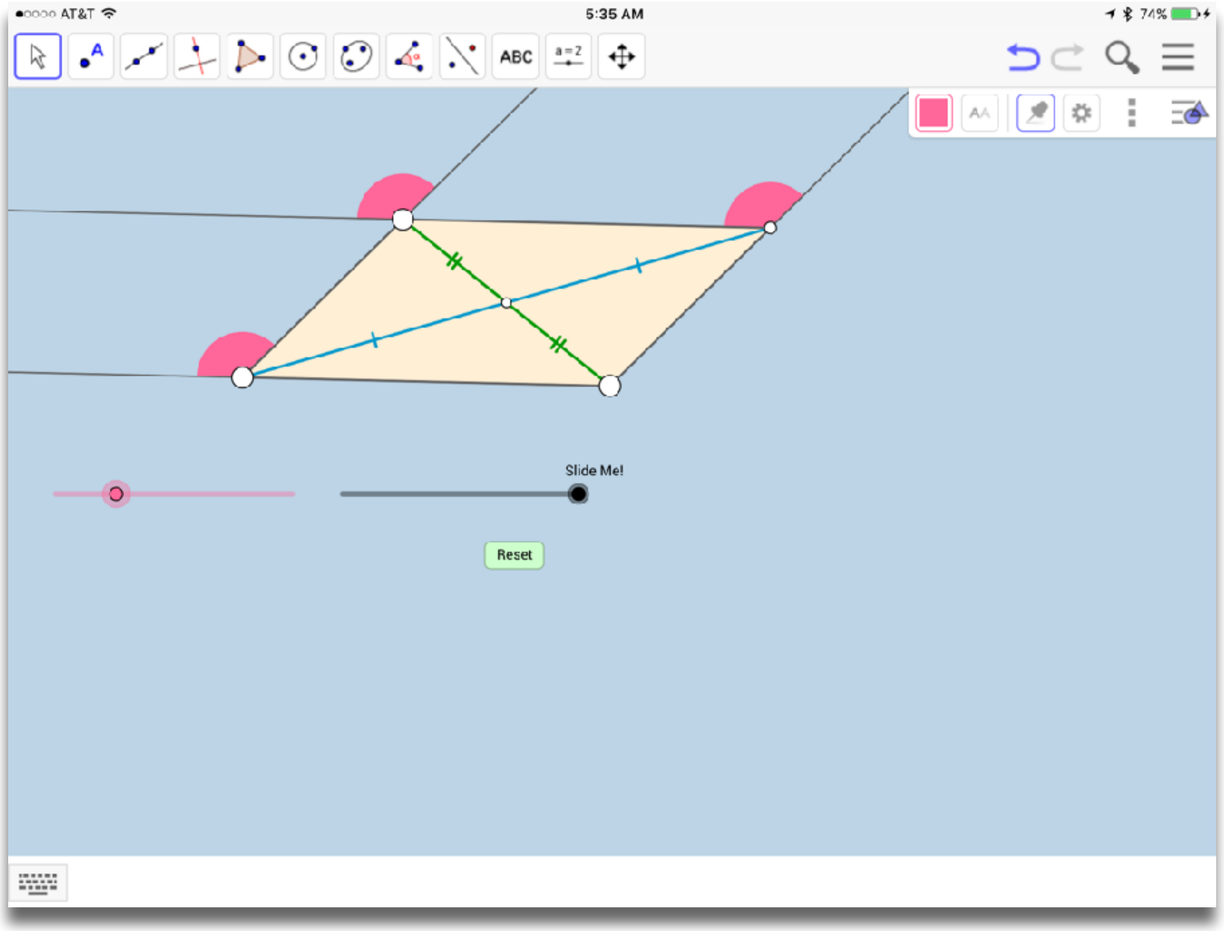

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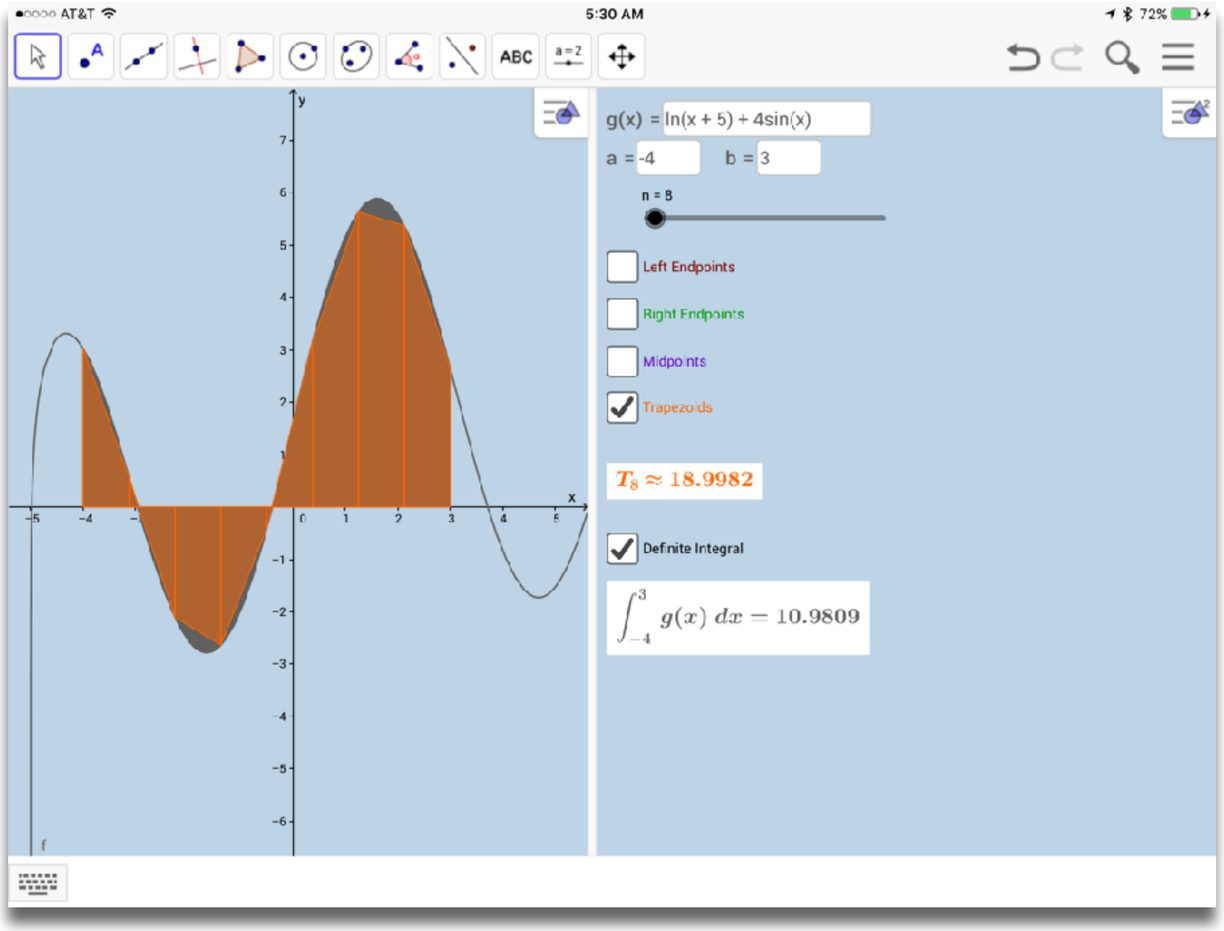
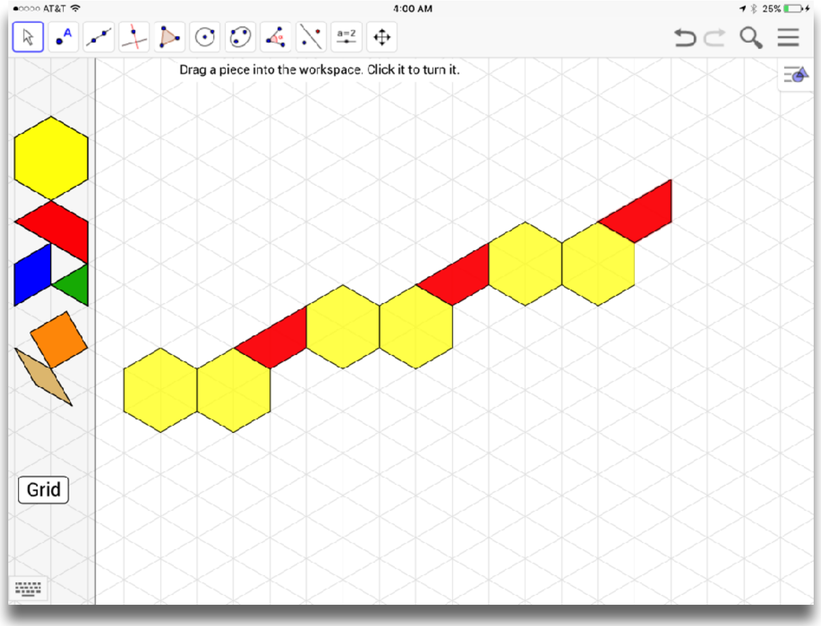
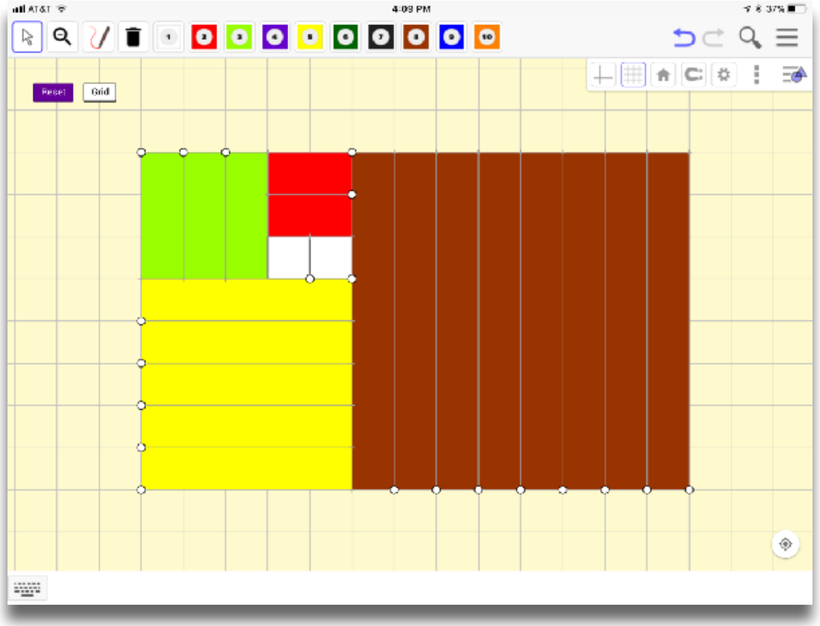
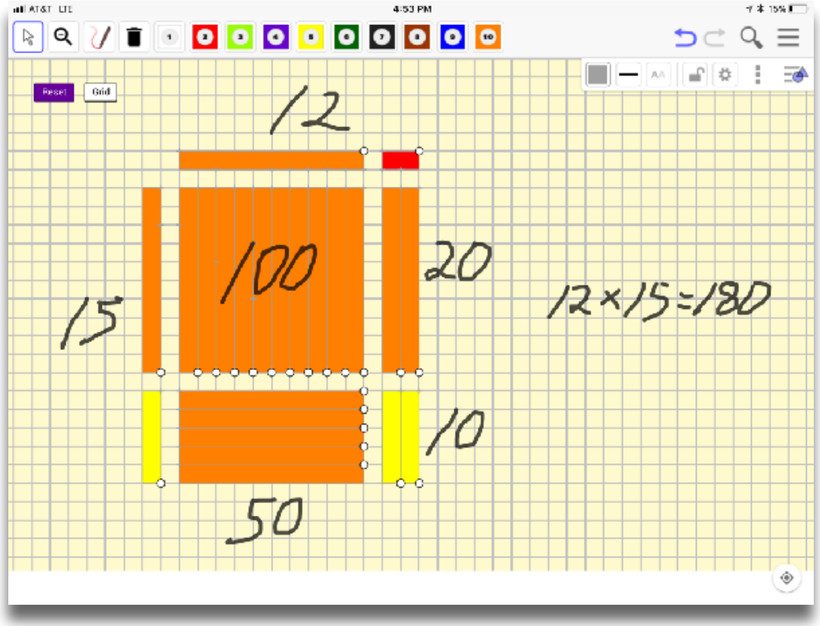



Drag a piece into the workspace. Click it to turn it.
Grid


Reset
Grid


Reset
Grid
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10
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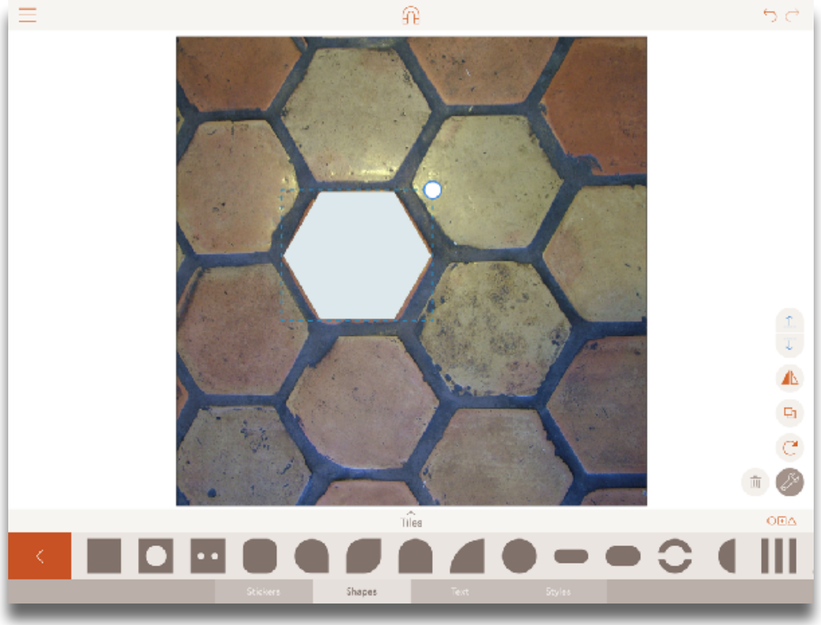
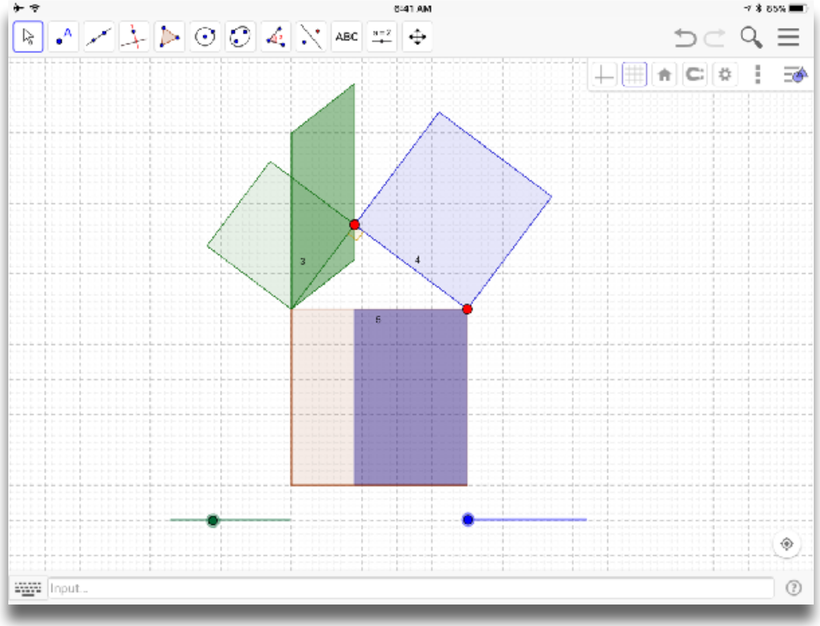

Tiles
Stickers
Shapes
Text
Styles

PHOTO CAPTION
SCIENCE
2093
Colorado's ancient cliff dwellers' use of geometry draws new attention
McClatchy Washington Bureau, adapted by Newsela staff
04.10.2017
MESA VERDE NATIONAL PARK, Colorado — An ancient structure called the "Sun Temple" still has scientists stumped.
The temple is perched on the tip of a hill that overlooks the famous "Cliff Palace" dwelling at Mesa Verde National Park. But experts are still not sure what it was used for in ancient times. "There are a lot of theories out there, but really, people don't know," said Tim Hovezak, an archaeologist at Mesa Verde National Park.
The only people who would know are the Ancestral Puebloans — also known as the Anasazi. They built structures across the Southwest and then started abandoning them in the 13th century.
ES
1060L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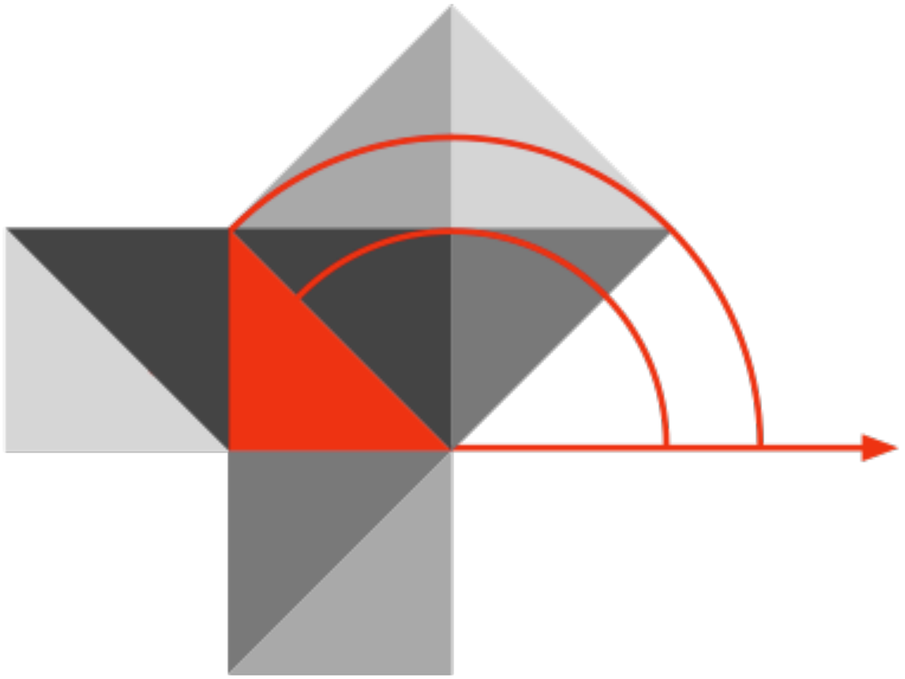
Input...

Hippasus



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