

STEM

design process

Challenge:

To find out which combination of materials make the strongest mud brick.

Instructions:

Design a brick and measure its strength. You will need to use mud, clay, dried grass or hay and water. Your brick will need to be solid and dry, with no evidence of crumbling.

Materials:

- _____
- _____
- _____
- _____
- _____
- _____
- _____

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Decide What Each Brick Will Contain

Brick 1

Brick 2

Brick 3

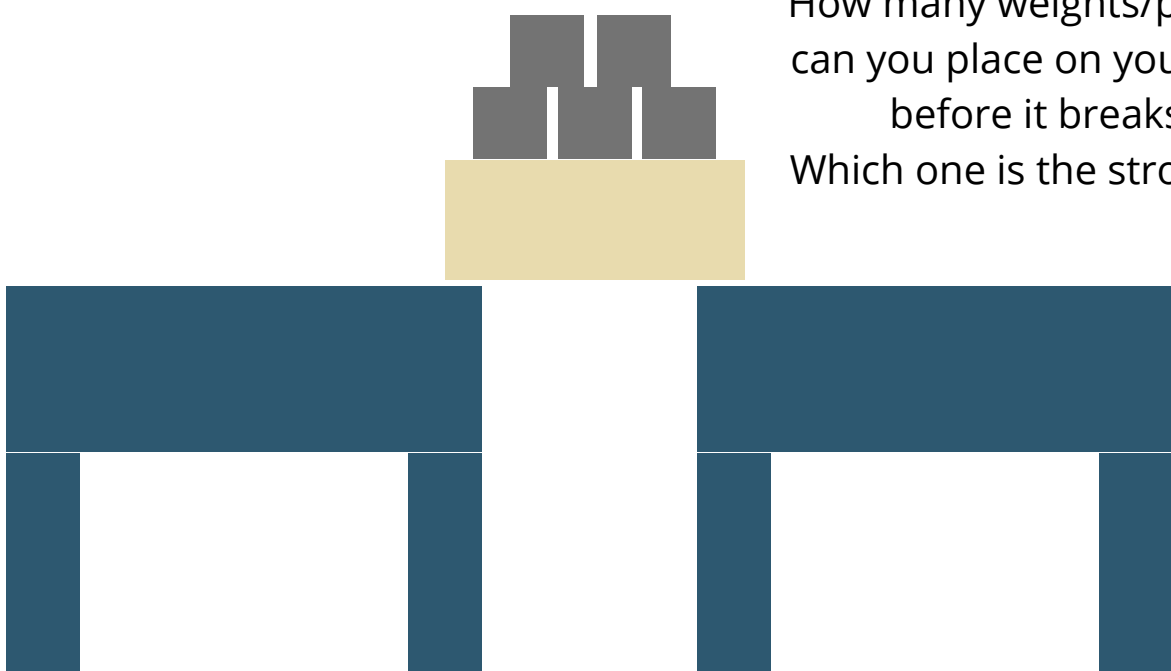
Steps: How will you make your brick?

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Steps cont.

Test Your Design:



How many weights/pebbles
can you place on your brick
before it breaks?
Which one is the strongest?

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Test your design. Which brick was the strongest?



Rate your design:



What did you like about your design?

What would you do to improve it next time?
