

Spring 4-16-2023

Lock Box Challenge

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Recommended Citation

STEM for Success, Admin and Wilson, Natalie, "Lock Box Challenge" (2023). *STEM for Success Showcase*. 55.
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Lock Box Design Challenge

Submitted by: Natalie Wilson

Name of activity: Lock Box Design Challenge

Age/Grade range:

STEM discipline(s): engineering

What topic does this activity relate to? Designing a

Pre-activity / Pre-work (what students should know or prepare before doing engaging in this activity; what teachers need to prepare before leading the activity):

What should the students learn by the end of this activity?

Tools/supplies needed (indicate quantity and if it needs to be bought + price range):

Total price (indicate per class or per student):

Step-by-step instructions on how to conduct the activity (attach link if found online and make note of modifications for your class here): (Include e.g., size of groups, images of materials or people doing the activity that might help the reader lead the activity, helpful supporting materials)

During activity:

Number of students present:

What modifications had to be made to the lesson plans and why (if any)?

Provide feedback: teacher observations, specific student feedback, work products:

Post-activity (reflection):

What aspects of the activity worked well?

What can be improved on?

What suggestions do you have to adjust the lesson for different purposes or populations?

If money was spent on tools/supplies, in your opinion, was the investment worth it?

Provide thoughts on alternative materials, steps or other modifications that might be worthwhile for others to consider.