

STEM Engineering Design Template

Created as a part of the SEALED Summer Institute I, 2020 by Angela Compton
Based on the NSTA's *Beyond The Egg Drop Engineering Notebook "Lite Template"*, 2018

Content-Based Learner Outcome:

Design Goal To Help You Understand Outcome:

What Do you Know About The Topic:

Spend 10 Minutes Brainstorming THREE possible designs and the materials required.

Design 1 Sketch	Design 2 Sketch	Design 3 Sketch
Design 1 Materials	Design 2 Materials	Design 3 Materials

Prototype testing log (What worked, what didn't, and how you modified your prototypes):

Following testing, discuss with your engineering group final modifications. Use the box below to create a detailed, **labeled** sketch of your final prototype.

Based on Figure 4.1 from:

Eisenkraft, A. and Freake, S.C. (Eds.). (2018). *Beyond the Eggdrop: Infusing engineering into high school physics*. NSTA Press.

Note: Eisenkraft and Freake's work was made possible due to a grant from the U.S. Department of Education, Award Number U423A170078. The content of their work does not necessarily reflect the views or policies of the U.S. Department of Education nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.