The holidays are fast approaching and your principal is hosting a lot of friends and family at a dinner party. She won't have enough room on the dining room table to sit the guests and the food. She would like to have a table just for the food that will be served, but she doesn't have the money to buy a new one. She has materials in the garage to build one but needs a model of what to build before she starts. You will be the engineers to design the model of that table.

Your job is to create a table that will be at least 12 inches tall and can hold a dictionary (or similar book) for at least 30 seconds. You will be given 8 sheets of newspaper and an 8 x 11 piece of poster board to build this table.

Generate Ideas:

Brainstorm ideas for design. Record your ideas.

Select a Solution:

Which solution will your group be using for your design today? Why? Sketch the design below.

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Build the Item - create and test your table:

*Record observations from the building process, testing, evaluation, and redesign of your wagon*

Evaluate:

1. What worked with your design?

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1. What didn’t work with your design?

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1. If you changed your design, what did you change? Why?

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1. What would you do differently next time?

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