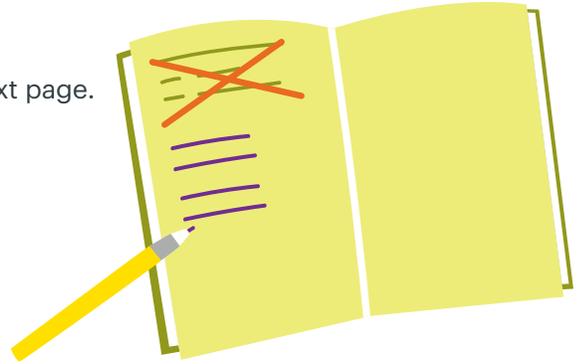




Engineers, you've just received some detailed data about the other team's paper table design! It looks like they provided you with some missing information. Let's see if you can iterate and improve their JOURNAL entry from Challenge 1.

Ready, set, write!

1. Read the information in the Challenge 2 Paper Table Details on the next page.
2. Choose your materials and format. You could:
 - Write on top of the original journal
 - Use a blank piece of paper
 - Try an online tool
3. Use the information to create your own journal entry.
 - Improve the original, add the missing information, and reorganize.



Bonus challenges

- Finished early? Share your journal entry with someone else and see if they have enough information to build the paper table themselves.
- Take it to the next level! Try to improve upon the original prototype! Build your own table and see how much weight it will hold!

Questions to ask yourself

- Does this information answer questions you asked about the design?
 - If not, what else is still missing? What else would you need to know?
- How would you improve the first journal entry?
- How can you organize the information?



Use the space below to take notes, sketch, and reflect.



Challenge 2 Paper Table Details



Width: 8" Height: 4 1/2" Depth: 5 1/4"



Build the top and bottom first, then the legs, and finally the diagonal cross-braces.

Rolling technique: Roll the paper into a tube

Long tubes: Roll paper on the long side

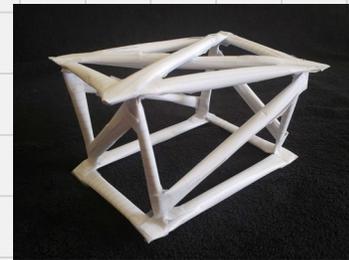
Short tubes: Roll paper on the short side

For diagonals: Tape two rolls together and cut to fit



Cross brace the table:

- Put diagonal rolls on the top and sides.
- Put the diagonal from top corner to the bottom corner of the opposite side.
- Use two rolls in the shape of an "x" on the top.



Connection Techniques:

For diagonals: Flatten the ends to tape them to the table leg



To attach table legs at the bottom, split the end of the roll and tape the split ends to the frame.



Option: Tape a piece of paper across the top to add extra support. 

Test Results:

Tests	Results
1 book, approx 1 lb	Table fell down
3 books, approx 2 lbs	Table stayed up
4 books, approx 5 lbs	Table stayed up

