

Wrapping It Up

What science concepts did you use while building your structure?

What observations did you make during testing that relate to science concepts from the Building Big activity or the video?

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Criteria vs. Constraint

Criteria = A principle or standard by which something may be judged or evaluated; also defined as parts that can be measured

Constraint = Limits to a design process, such as appearance, funding, space, materials, and human capabilities

CT
or
CN?

- CT** A. Tower must be able to stand on its own.
- CN** B. You could only use a set amount of materials.
- CT** C. Tower needed an anchor point that would hold the pencil and cup.
- CT** D. Tower had to be over 20 cm tall.
- CN** E. The only tools you had were scissors, your hands, and other items available in the classroom.
- CT** F. The tower needed to hold the most pennies (mass) to earn a higher score.
- CN** G. You had three class periods to build the tower.

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The project results are ...

Go to mrstomm.com → Assignments to find the link to the results

- Project Files
- Super Structure Rules
- Super Structures FAQ
- Super Structures Pictures
- Super Structures Testing Results

- Review & Reinforce
- Super Structures Vocabulary

Rank	#	Team Members	Height	Mass	Score
1	6-2	Carson, Lauren, Allison R	37.2	2171	807.612
2	2-3	JadyN, Libbie, Leah	42.8	1794	767.832
3	6-7	Emily, Karac, Ryan	35.5	1995	708.225
4	6-5	Macey, Jen, Cohton	38.5	1703	655.655
5	1-4	McKenzie, Mia, Joshka	57	881	502.17
6	7-5	Noah, Caden, Rem	37	1266	468.42
7	3-6	Olivia, Ryleigh, Jack	35	1244	435.4
8	8-3	Peyton, Dawson, Dominique	31	1382	428.42
9	2-5	TCam, Emily, Mikah	26.7	1591	424.797
10	3-1	Nat, Mac, Shooter	34.5	1162	400.89
11	8-8	Eli, Arleigh, Abby Wh.	43.5	873	379.755
12	7-9	Delano, Tomm	47.5	720	342
13	7-4	Luke, Lydia, MacKenzie	41.2	830	341.96
14	6-4	Alexis R, Dane, Alexis H	25.5	1200	306
15	2-8	Bre, Summer, Emmie	56.5	515	290.975
16	1-8	Tatiana, Bryce	32.8	837	274.536
17	6-8	Natalie, Madison, Taryn	32	846	270.72
18	2-7	Abby C, Alec, Nick	39.5	664	262.28
19	3-5	Brooklyn, Bri M, Hadlie	32	816	261.12

Use the data to fill in your score sheet IF you did not already do so!

Click the different tabs to see the results by class period or overall scores.

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(1) Work with your group members to complete the “Wrapping It Up” worksheet.

(2) Staple all pages together in this order:

- Rules & Think About It (Top)
- Supplies List
- Score Sheet
- Wrapping It Up (Bottom)

(3) Turn the packet in to the BIN.

Wrapping It Up!

Team Members: _____

(1) What modifications did you make to your original plan? Give a reason for each. (1-4)

Change #1 - _____
Reason - _____

Change #2 - _____
Reason - _____

(2) How would you rate the success of your STRUCTURE on a scale from 1 (poor) to 4 (great)? Explain. (1-2)

We rate our structure as a _____ because _____

(3) Which part of your structure worked the best? Describe 2 parts and provide an explanation for each. (1-4)

The part of our structure that worked the best was the _____ because _____

Another part that worked well was the _____ because _____

(4) Which two materials in your junk box were the most helpful? Explain your choice. (1-4)

The _____ was most helpful because _____

The _____ was also helpful because _____

(5) Staple your PLANNING PAGE, MATERIALS LIST, SCORE SHEET to this WORKSHEET and then turn in to the teacher.

Individual/Team Ratings
Each PERSON needs to complete a YELLOW rating slip – one column for you and the others for your teammates.

Individual/Team Ratings

Name: **YOUR NAME**

	Yourself	Teammate 1	Teammate 2
Contributed to ideas/planning every day	1 2 3 4	1 2 3 4	1 2 3 4
Did fair share of work every day	1 2 3 4	1 2 3 4	1 2 3 4
Was cooperative by letting everyone help with the project	1 2 3 4	1 2 3 4	1 2 3 4
Used class time wisely every day (did not waste time talking or doing nothing)	1 2 3 4	1 2 3 4	1 2 3 4

1 = Poor ↔ 4 = Great

Turn the slip into the teacher!

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Assignments:

- **Finish Legends and e-mail me to change your grade.**
- **Get a copy of the review worksheet.**
 - Glue on page ___ FAF Left sideways - Due tomorrow
 - Use your Building Big worksheet and the Super Structures Vocab on mrstomm.com → Assignments.