



## Next step ...

**Step 1:**  
Make a plan

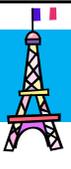
**Step 2:**  
Build your structure

**Step 3:**  
Test your structure

Follow your teacher's directions to test your project.

Work together and use your time wisely!

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## Testing Procedure

**Each team will be allowed to select a testing cup and attach it to their anchor point.**

- The cup must be attached to the tower using the string and pencil provided.
- The cup and its parts may not be taped or tied to the structure, i.e. it is able to be picked up without having to unhook it.
- The cup and its parts may touch a part of the tower as long as it is not supporting the cup at that place. The tower should support the cup **ONLY** at the anchor point.
- Once the cup, its parts, and the anchor point have been approved by the teacher, **NO ADJUSTMENTS SHOULD BE MADE** unless it is reapproved by the teacher before adding pennies.

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**Testing will be done when:**

- (1) the testing cup touches the table,
- (2) the testing cup is resting on (or supported by) any part of the structure, or
- (3) a penny falls out of (or off) the cup.

The team's score will be determined by multiplying the height of the anchor point in centimeters by the mass held successfully in grams.

The team with the highest score will be the winners!!!!

In case of a tie, the tallest structure (as measured at the anchor point) will be the winner.

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**AFTER BEING APPROVED ...**

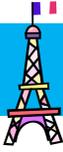
**Team members will begin adding pennies to the testing cup one at a time.**

**No adjustments to the structure, the testing cup itself, or the pennies in the cup are allowed after a penny is added!**

**At the time that the structure appears to have reached its maximum load, teams may be asked to wait 5 seconds before adding additional pennies. *Speeding up and/or dumping extra pennies into the cup at the last minute is not allowed!***

*NOTE: The testing team should be the only team near the table while a tower is being tested. The testing team also needs to be careful not to bump the table or tower during testing.*

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## Things to remember ..

You must have your anchor point and cup checked by the teacher **BEFORE** you begin adding pennies.

You cannot tie, tape, or hold your structure down. You also cannot tape or tie your cup, pencil, or string to your structure.

You must add pennies **ONE** at a **TIME**. No dumping a bunch in at a time.

No adjustments allowed – tower, pennies, testing cup.

Bring your score sheet, testing cup, pencil, and all the pennies held to the teacher when you are done.

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### Super Structures Test Results

Names \_\_\_\_\_  
 Class Period \_\_\_\_\_ Team # \_\_\_\_\_

Each needs to fill out a score sheet with your names, class period, and team #.

**Our Structure**

Anchor Point Height = \_\_\_\_\_ cm  
 Total Mass Held = \_\_\_\_\_ g  
 Score = \_\_\_\_\_

**Testing Estimates**  
 Guess-timate how well your classmates will do!

Team # & Names	Our Estimate (g)	Actual Amount (g)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

FILL IN the first TWO COLUMNS as we share our towers with the class and.

You will fill in the last column after the team has tested.

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**Super Structures Test Results**

Names \_\_\_\_\_  
 Class Period \_\_\_\_\_ Team # \_\_\_\_\_

**Our Structure**

Anchor Point Height = \_\_\_\_\_ cm  
 Total Mass Held = \_\_\_\_\_ g  
 Score = \_\_\_\_\_

**Testing Estimates**  
 Guess-timate how well your classmates will do!

Team # & Names	Our Estimate (g)	Actual Amount (g)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

**The teacher will fill in this section before and after testing.**

**Get ready –  
 Set up your tower in the correct spot  
 Attach the testing cup to your anchor point.  
 Have it checked by the teacher BEFORE you start testing!**

**You will fill in the last column after the team has tested.**

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**First four teams ...**  
**Set up your tower in the correct spot – A, B, C, or D**  
**Attach the testing cup to your anchor point.**  
**Have it checked by the teacher BEFORE you start testing!**

**Judging Teams**  
**Keep people away from the testing table.**  
**Alert the teacher when testing is done.**  
**Bring the score sheet, cup, pencil, and all the pennies held to the teacher.**

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

**Testing Estimates**  
 Guess-timate how well your classmates will do!

Team # & Names	Our Estimate (g)	Actual Amount (g)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

**You will fill in the last column after the team has tested.**

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