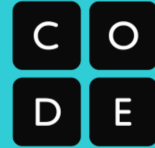


Building a Foundation

Learning Persistence through Challenges



BUILDING A FOUNDATION - Course 1, Lesson 9, p. 49

Goal:

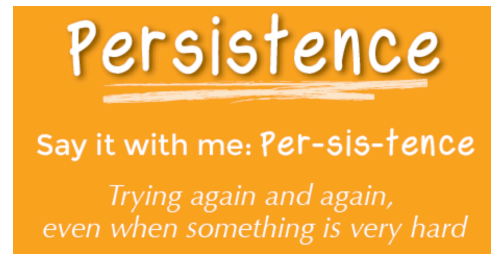
Build a structure that is one foot tall using only Marshmallows and Toothpicks

Vocabulary

♥ Persistence

Materials:

1. Around 30 Marshmallows
2. Around ½ inch diameter of Toothpicks
3. 8 x 11 inch Paper for the base only
4. Ruler for measuring only



Rules:

1. Use only the supplies provided to build a tower.
2. You have 5 minutes to build your structure
3. When finished the structure must stay up for 30 seconds

Process:

1. Build for 3 minutes
2. Measure the height and record the data
3. Look at the other structures to get ideas
4. Discuss the process and ways to improve.
5. You have 2 minutes to increase the height of your structure
6. Wait ½ minute then measure the height

Questions:

1. How much did you increase the height?
2. What did you change in your building process?
3. What would you do differently the next time?
4. What was your favorite part about building the structure?

Alternate Idea:

- 1) Use spaghetti and have teams build the tallest structure
- 2) Give 3 minutes for planning, 5 for building
- 3) When building, NO talking is allowed