

**Building a Foundation** 

Learning Persistence through Challenges

## **Directions:**

- 1) Divide students into groups of 3 or 4.
- 2) Explain the rules of the challenge, provided on the other page.

3) Provide each group with limited supplies and make it known that they will get no more.

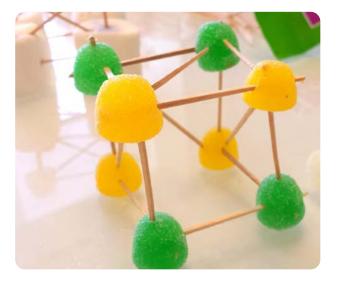
4) Challenge the class to think ahead to the problem and plan out their method of building their first tower.

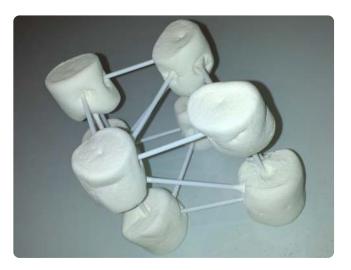
5) Encourage students to begin building, then have them alert you when they think they've met the challenge described by the rules.

6) Test each structure. Is it taller than the cup? Does it hold a book?

7) If not, have students enter a cycle of planning, fixing, testing, and planning again until the challenge has been met.

8) Congratulate the students as they succeed and take pictures of the successful towers (if possible) to upload to the Code.org site!





0