Rio Grande Educational Collaborative
Before and After School Program Lesson Plan

TITLE OF LESSON: Marshmallow Towers   **DATE:**

SITE NAME: **CLASS SIZE:**

NAME(S) OF INSTRUCTOR: **DURATION OF LESSON:**

CREDIT (website used/name of author): https://tinyurl.com/y2a2a65k

COMMON CORE STANDARDS: 1.G.A.1, SL.3.1.D, SL.5.4

LEARNING OBJECTIVES:
Students will understand the following:
- Communicate and work effectively in groups to complete a given task.
- Draw conclusions about leadership and group work through class discussion.

ACTIVITY:
Instructional Sequence:
(Step by step instructions, should another instructor pick up and teach the lesson successfully)

1. Begin by splitting students into groups of 3-4 (depending on class size) and explain that they are going to try and create the tallest tower using only marshmallows and spaghetti. Demonstrate

2. Give each group a paper bag with the following items: 20 pieces of spaghetti and a bag of marshmallows (each group will need a lot). Do not empty the bag until instructed.

3. Students will be given time (about 30 minutes) to complete the task and will be given frequent updates on how much time remains.

4. After completing the activity, measure the height of each structure to determine the winner.

5. Class discussion: Ask the winning team to explain their strategy, and then ask the other teams if they had a similar strategy or not. Ask all teams how they would conduct the experiment differently next time.

MATERIALS:
The following materials or equipment needed for this lesson:
(Include special equipment request)
- Marshmallows
- Spaghetti

SIGNATURE: _____ **DATE:** _____

SITE SUPERVISOR'S SIGNATURE: _____ **DATE:** _____

INSTRUCTOR'S REFLECTION:

Reflection on the lesson given:

1. How many students participated in the lesson given? _____
2. Name(s) of instructors participated. _____
3. How long did your lesson take? (Amount of time) _____
4. How did the students feel about the lesson? _____
5. Did the students like the lesson? _____
6. What part of the lesson did the students like? _____
   _____
   _____
7. What part of the lesson did the students not like? _____
   _____
   _____
8. Were the students interested in the topic of the lesson? _____
9. Was the content of the lesson difficult for the students? _____
10. What could you have changed to make the lesson interesting? _____
    _____
    _____
11. Did you have any trouble getting your lesson together? (Idea & Materials) _____
    _____
    _____
12. How do you rate your lesson? (1-10) Why? _____
    _____

SITE SUPERVISOR'S REFLECTION:

Reflection on the instructor's lesson:

1. How many students participated in lesson? _____
2. How many instructors participated in lesson? _____
3. Did the students enjoy the lesson? _____
4. What part did the students enjoy? _____
   _____
5. What part did the students NOT enjoy? _____
   _____
6. What could have been changed to make the lesson interesting? _____
   _____
   _____
7. Was the content of this lesson difficult for students to understand? Why? _____
   _____
8. What part of STEAM or literacy was used? (Science, Technology, Engineering, Art, Mathematics or Literacy)
   _____
   _____
9. Comments: _____
   _____
   _____