

# A STEM in the Park

## Take Home Activity

# STEM

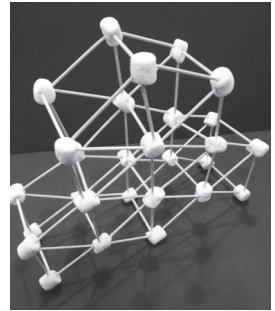
in the **PARK**™

Science, Technology, Engineering, and Mathematics

# Geometric Structures - What is the tallest freestanding structure you can build?

### ***What You Need***

- Paper
- Pencil
- Toothpicks
- Marshmallows



### ***What To Do***

1. Begin brainstorming and drawing your design for your structure.
2. Using the marshmallows and toothpicks, create your structure.
3. What worked? What did not work? What can you do to improve on your design? What happens when you use different size marshmallows and different size toothpicks?

**Extra challenge:** Can you create a structure that can hold pennies without breaking?

*Continued on back*

## ***The Science***

This is a great way for your child to design different structures and critically think about what made their designs work, and what ways they can improve on their designs. Children will also see, that the first attempt may not always work and they will need to problem solve how to change their design.

***This activity is brought to you by Lial Catholic School***

