

# Spaghetti Structure!

Each year at Fuss & O'Neill we celebrate Engineers Week in February. We have food and contests, and we take a few minutes each day to appreciate each other. Last year we gave the whole company a challenge – design and construct the tallest structure possible using only the materials provided.

**WITH YOUR PARENTS' PERMISSION AND SUPERVISION**, we're going to give you the same challenge. We allowed our employees to make teams, so feel free to work together or have your own individual competitions.

## Objective

To design and construct the tallest structure possible using only the materials provided.

**Materials** (use similar items if that's what you in the cupboard)

1 box (1 lb) of thin spaghetti

1 box (1 lb) of fettuccine

1 box (1 lb) of linguine

1 bag (10 oz) of mini marshmallows

2 bags (10 oz) of standard marshmallows

## Tools

1 pair of scissors

## Rules

1. Your team will have 30 minutes to design and construct your structure. You are responsible for your own time – this is the honor system!
2. The base of your structure will be built on the floor.
3. The design and construction must be completed only by the pre-designated team.
4. Consultation of books, websites, coworkers, etc. is prohibited.
5. The following materials are not allowed to be used as part of the structure:
  - a) pasta boxes
  - b) marshmallow bags
  - c) scissors
  - d) walls or desks
  - e) this instruction sheet
6. You may not prop, support, touch, manipulate, etc. your structure after your 30 minutes has elapsed.

**The tallest structure standing wins!**

Here are some of our results! Let's see yours!

