

Tower of Pasta

Problem Scenario

“Construct the tallest tower possible using only the marshmallows and pieces of spaghetti.”

Planning Period: 3 Minutes

- During your mandatory planning time, think about basic design approaches.
- Each team plans their own construction of the tower.
- All team members should participate in the design process.
- You MAY NOT use a computer or electronic device to get instructions - this is internal.
- No construction activity may take place during this time.
- You MAY NOT open your bag of supplies during this time.

Supplies

- 20 pieces of dry spaghetti for each group
- 30 miniature marshmallows

Creation Phase: 6 minutes

- Each team will use only the materials provided to them. You may cut and break items as needed.
- As you begin construction, don't be afraid to refine your initial design.

Final Measurement

- Prize will be awarded to the group who constructs the tallest freestanding tower which remains standing until measurement (3-5 minutes).
- Measurement will be to the top of the highest marshmallow.

