



Collaboration - Project-Based Learning

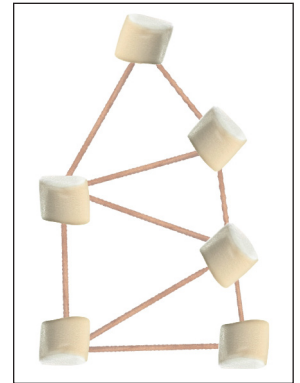
Group Tower Building

It is good for people to work together. We can fix problems and build projects faster and better. In small groups of 3-4, build a tower with marshmallows and toothpicks to hold weight.

What you will need:

- box of toothpicks
- bag of marshmallows
- objects of various size and weight

Start with 20 toothpicks and 10 marshmallows. Work together to build a tower. Place a small item on the top. Does it hold? If it does, add 20 more toothpicks and 10 more marshmallows to build higher.



Check again if the tower will hold the item. If it does, try adding heavier items and build taller. If the tower collapses, re-build in a different way. How tall of a tower was your group able to build?

Try building different things. What shape was the strongest? Triangle, Square, or Cylinder.

Why is this working or not working?

Share your groups findings with the others in your class.