

# **We have a challenge for you... WHO CAN MAKE THE TALLEST SNOWMAN - OUT OF MARSHMALLOWS?!**

Children will love the challenge of making a snowman out of marshmallows.

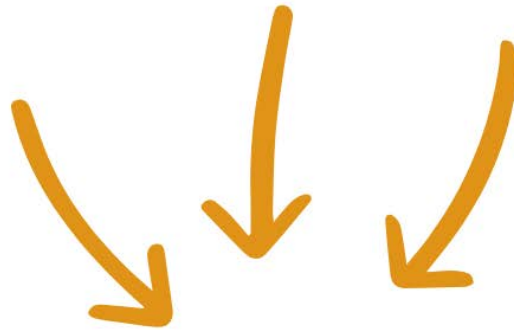
"Who can make the biggest snowman in a limited time?"

Do you want to build a snowman?

The biggest one you can make?

The challenge is simple and fun, and you get to eat it at the end 😊

You're probably already wondering what you need and what the instructions are...



## **MATERIALS YOU NEED...**

- 20-30 toothpicks
- 20-30 regular marshmallows
- 10-20 mini marshmallows (for arms and extra support)
- Black and orange food coloring or markers
- Measuring tape or ruler
- Free tallest snowman challenge worksheet (pages 3 and 4)

## **INSTRUCTIONS**

1. Give your kids the marshmallows and toothpicks and challenge them to build the tallest snowman with the materials given. They can work as a team or work separately (in that case, each kid gets a set of materials).
2. Set a time limit for your kids to design and build their snowman. We recommend around 5-10 minutes for planning and 20-30 minutes for construction.
3. Start the challenge! For younger kids, we would monitor the planning process to make sure they are on the right track. They should draw the design of their snowman on the free worksheet. For older kids, we would leave them alone to do their thing!
4. After the time is up, use the measuring tape or ruler to determine the height of the snowman! Record the result on the worksheet.
5. Optional: You can make the snowman's head so that the marshmallow structure will actually look like a snowman! To make the snowman's head, you have two options.
  - With food coloring (edible option): Use a toothpick and dip it in the black food coloring and gently draw the eyes and mouths on a regular marshmallow with the toothpick. Then dip a separate toothpick in the orange food coloring to draw the nose.
  - With markers: If your kids are not going to eat the marshmallow head, then you can just draw the face with black and orange markers.
6. Optional: Repeat the experiment after analysing the first trial and implement improvements to the design. Can you build an even taller snowman?

**GOOD LUCK**



Name: \_\_\_\_\_



# CAN YOU BUILD THE TALLEST SNOWMAN?



Design:

Draw your snowman

Materials

List the materials used

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Data:

Record your snowman's height



Name: \_\_\_\_\_

# TALLEST SNOWMAN CHALLENGE

No. of marshmallows used: \_\_\_\_\_ No. of toothpicks used: \_\_\_\_\_

Refelction:

Did you build your snowman according to your plan?

If not, why not?

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How can you improve your snowman?

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