

Tower Trials

NINJAGO® City has challenged teams of architects, engineers, and Master Builders to design and build the tallest tower to help keep watch over the city. Your team will have 35 minutes and a limited set of materials to design and construct the tallest tower. Have fun!



MATERIALS PER GROUP

- 4 blocks or LEGO® bricks
- 20 sticks of uncooked spaghetti
- 10 marshmallows
- 1 meter of tape
- 5 toothpicks
- Scissors



HERE ARE THE RULES:

- You may use any or all of the materials provided. No other materials may be used.
- You may ask your teacher to measure your structure at any time within the 35-minute period. Your structure must stand for 30 seconds without falling.
- The structure must be free-standing and you may not hold on to your structure during the 30-second period.



SUGGESTIONS:

- Make sure all group members have a chance to contribute to the design and construction of the tower.
- Spend some time planning, but leave enough time to try out your ideas.
- Don't be afraid to try something different or unusual!



Builder Tip:

Materials don't have to be used as is. Try breaking spaghetti or pushing marshmallows together, for example.

Good Luck!