



What are we supposed to do?



Challenge: Construct the tallest free-standing tower that can hold weight and withstand winds!

1

Check out the **Tower Challenge** pages in your **Event Guide**. Take **one** bundle of noodles and go to the **Design/Build** tables.
NOTE: one noodle bundle per family.

2

A. You will use the noodles and masking tape to construct the tallest free-standing tower that can:

1. **Support the weight of a puzzle cube placed on top**

NOTE: the tower should be able to hold the cube without your help

2. **Withstand winds generated by a fan**

NOTE: the tower should remain standing with the cube on top while the wind is blowing

B. Use the **Tower Design** section in your **Event Guide** to draw what you plan to build; then build it!

3

Once your free-standing tower is complete, measure the height. Then, take it to the **Testing** table. Can it hold the cube? Can it withstand the winds? **Redesign?**

