

Super Golf Tower

Build a newspaper tower that will hold up a golf ball!

What You Need

- 10 sheets of newspaper
- 3 feet of masking tape
- golf ball
- scissors
- meter stick or ruler



Engineering Scoop

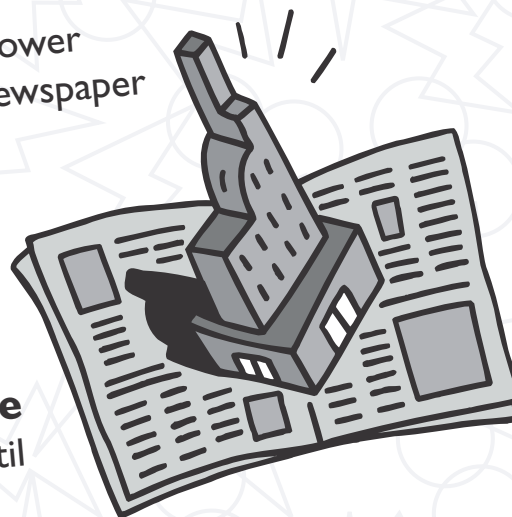
How can you make a **tall** tower from newspaper? First, you need to find ways to make newspaper **strong**. One way is to **change its shape** by rolling it into a tube, crumpling it, folding it, or twisting it. You also need to think about the **design**, or the way you put the parts together. You might make a **wide base** at the bottom. This helps **spread out** the tower's weight over a larger area and makes it more **stable**. You could also make sure there is **less weight at the top** of the tower so it won't tip over easily. How did **you** design your tall tower?

1 Build the tallest tower you can with the newspaper and tape.

2 Test your tower by putting a **golf ball** on top. If the tower falls over, **change the design** until it stands up.

3 How **tall** is your tower? **Measure** it with the meter stick or ruler.

4 Try to make your tower **taller**. Keep **building** until you can't go any higher.



Redesign It!

How can you make your tower even **taller**? What happens if you **change the base** of your tower? What happens if you use **more** masking tape or newspaper? Can your tower support a **different object**? Choose **one thing** to change (that's the variable) and make a **prediction**. Then **test it** and **send** your results to ZOOM.

Sent in by Matt B. of Edmonton, Alberta, Canada

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Engineer's Notebook

Here's my tower design.
(Draw your tower and label the parts that help it stand up.)



Send It to ZOOM™!
Tell us about your tower at
pbskids.org/zoom/sendit