

NEWSPAPER TOWERS DESIGN CHALLENGE

Today, you will be working as civil engineering design teams to take on a design challenge to construct a model tower using only newspaper, tape, and scissors. Your team will be given a set amount of supplies and a time limit of one class period (*constraints*) to complete this design challenge.

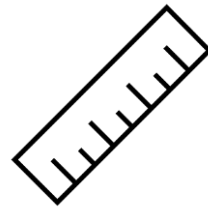
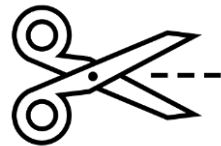


Image Source: Ben Dumond, 2015,
https://unsplash.com/photos/VedK8_UImkY

NEWSPAPER TOWERS DESIGN CHALLENGE

Make sure to follow each step and answer each question in your Newspaper Towers Worksheet!

Your team's tower must be:

- **Tall** - as high as you can build it
- **Stable** - to withstand wind load in a hurricane-prone region
- **Freestanding** - it cannot be attached or secured to a table, wall, floor, furniture, etc.

Materials per team:

- 3 full sheets of newspaper
- 12 inches (30 cm) tape
- 1 pair of scissors
- 1 meter stick or measuring tape

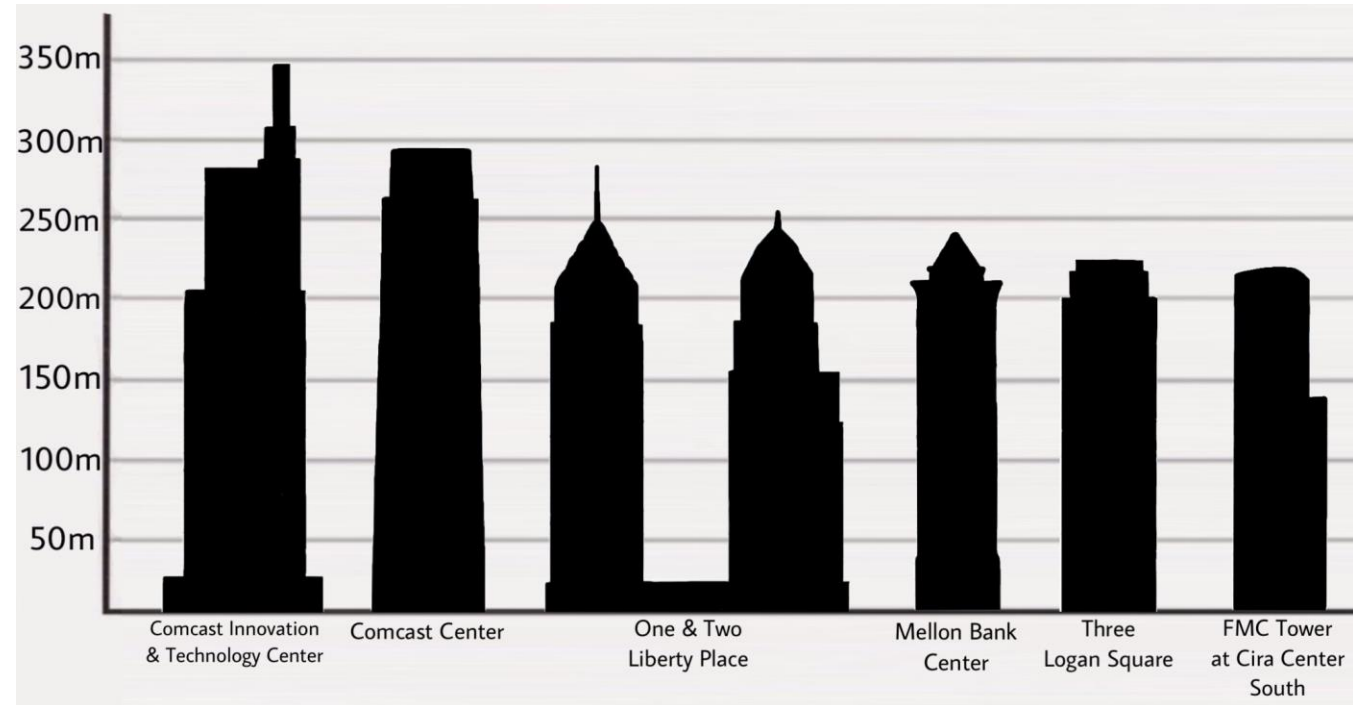


Image Source: Saggittarius A, 2019, https://commons.wikimedia.org/wiki/File:Philadelphia_skyscrapers.jpg, CC BY-SA 4.0