



## Scrap Paper Tower

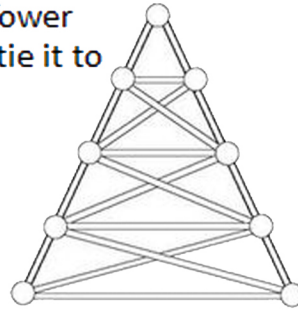
Your **CHALLENGE** is to make the BIGGEST Scrap Paper Tower possible. Your tower has to be free standing (you can't tie it to the door or lean it on a wall).

You can attempt this challenge on your own or split the household into two/three teams.

You can either divide the equipment evenly between the two teams or you could pile all the equipment in a space and each team takes in turn picking one item at a time from the scrap heap.

### Equipment:

- Old newspaper or any scrap paper that you no longer need (don't use your maths homework)!
- Paper straws
- String/Twine
- Empty toilet roll tubes
- Empty kitchen roll tubes
- Any other items of scrap you find lying around.
- Sellotape



Here are some questions for you to think about before you start planning and building your Tower.

- What equipment do you have to build your Tower.
- How many legs are you going to have?
- What is the most stable?
- Which items of scrap should you use towards the bottom of the tower? Why?
- Which items of scrap should you use at the top of the tower? Why?

All these are questions you could think about, however you do it, have fun!!

Make it more interesting by;

- See if the tower can withstand some wind by using a fan and seeing how much force it can withstand. Blow on it or take it outside. Whose tower can withstand the strongest wind before it falls over?
- Add some weight to it! Which tower can withstand the most weight before it collapses?

