

Snowflakes

Your team will need to create a snowflake. However, it isn't just a snowflake! This snowflake has to be strong enough to hold the weight of one member on your team!! What does that mean? Well, one person will need to stand on the design and have it hold that person for at least 10 seconds.

Directions to Teams:

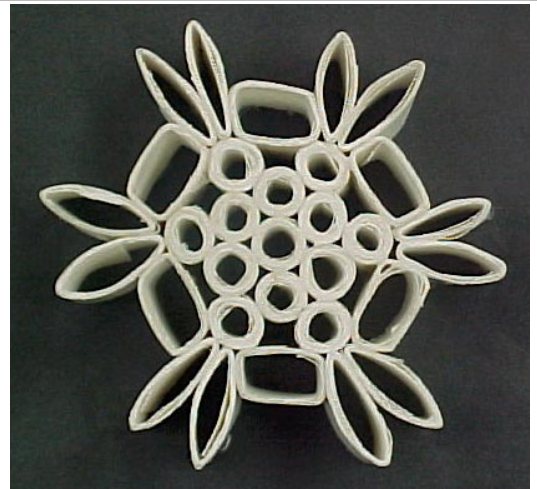
- Your design needs to demonstrate radial symmetry.
- Your design has to incorporate at least 3 different shapes in it.
- Your design has to be able to hold the weight of one team member!
- Only glue and paper can be used.
- You need to be able to see through each shape.
- The design can only be 1" high (and may not be flat strips of paper).
- You need to use at least 30 strips of paper.
- You are not allowed to double-up shapes*

NO OTHER QUESTIONS CAN BE ASKED!! (SORRY!)

(No examples are shown)

* *Double-up shapes – making a shape and then wrapping another strip around it to make it stronger. That is "doubling" and it is not allowed.*

Note: The circle is the strongest shape, but do not tell the participants that. For younger groups, you can demonstrate by taking a brick or large object and a plain piece of paper to see what shape is able to hold the brick.



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