

## **Paper Tower Building**

### OBJECT

To construct a free-standing tower of maximum height using a single sheet of paper.  
(Minimum height: 30 cm)

### TEAMS

A team will consist of one to three students. No one other than those constructing the towers will be permitted in the construction area during the contest. An observation area will be available.

### APPARATUS

Each team will be supplied with one sheet of duplicator paper (21.6 x 27.9 cm) and one strip of cellophane tape (1.3 x 50.0 cm) on arrival at the contest site. Construction aids such as scissors, razor blades, and 30 cm rulers will be available for use by the participants. No other construction aids or material other than those supplied may be used or brought into the construction area.

### COMPETITION RULES

1. The towers will be built from the floor level, not on tables. (The floor surface is carpet.)
2. Each team must complete the structure within 25 minutes. Time will start upon the receipt of the materials.
3. The sheet of paper may be cut into pieces and reassembled as desired. Parts may be rolled, folded, or slit. The paper may not be soaked, painted, or otherwise treated to add rigidity.
4. Tape is to be used to fasten parts of the tower together. It may not be used to attach the tower to the floor of any other object. Excess tape may NOT be used to extend the height of the tower.
5. A tower shall be declared free-standing if it remains self-supporting for more than 10 seconds.
6. The team must inform the judge several minutes prior to the completion of their tower to allow proper time for measurement.
7. Height is determined by measuring the perpendicular distance from the highest point of the tower to the floor. (Tower must be standing when measured)
8. The highest tower will be declared the winner with the rest of the competitors ranked accordingly.