



FORCES TO CONTEND WITH!

You will find this **ACTIVITY** much easier by first completing the 'STRONG MAN' activity at wonderville.ca!

Challenge Your Family and Friends

Using only the materials listed and no other supports, build a structure that will support a standard building brick.

The Criteria

- SAFETY FIRST: Watch out for hands and feet during testing!
- Each person or team has a maximum of 10 minutes to plan and 15 minutes to build and test.
- The structure must support the brick for a minimum of 1 minute.
- If your structure can hold 1 brick, keep adding more, one at a time, until your structure collapses. — Watch out for fingers and toes!

The Materials

- (1) standard building block
- safety goggles
- smooth, flat piece of wood
- (4) index cards
- (1) 8.5" x 11" piece of paper
- (12) drinking straws
- (15) round toothpicks
- 30 cm masking tape



What type of force was being applied to your structure?

Describe how your structure eventually failed. What would have caused this to happen?
