

## NEW YORK

Niagara Falls is one of the most spectacular waterfalls in North America. On the border between the state of New York and the province of Ontario, it is 170 feet tall and 3,500 feet wide. At maximum flow, 200,000 cubic feet of water go over the edge every second. Very impressive. Very noisy! The mice want to ride down this Giant Water Slide!

**Set-Up:** Mark the edge of a table (or another flat surface) as a launch area (the top of the “Falls”) and a landing zone directly beneath on the floor (the bottom of the “Falls”).

**Challenge:** Design and construct a container to carry one of the mice safely down the Falls. Make sure he doesn’t get hurt!

**Time:** Part One: You will have 4 minutes to create a covering to enclose an egg (“the mouse”) and protect it from breaking as it is dropped from the launch area on the table top (the top of the “Falls”) to the landing zone on the floor (the bottom of the “Falls”).

Part Two: You will have 1 minute to test your container for the appraisers.

**Materials:** one egg (“the mouse”)  
one sheet of paper  
one mailing label  
one paper clip  
one elastic band  
one craft stick  
one foot of string  
one feather

**Scoring:** up to 25 points for the innovation of the design  
50 points if the egg survives intact (no cracks in the shell)  
up to 25 points for positive team work

**Special Note:** Adjust the height of the drop for the skill level of the team. You may also hard-boil the egg if you expect a terrible mess!