

Think you know carnivals? **STEP RIGHT UP!** takes you beyond the flashing lights and bright colors of the amusements and asks you to reconsider several classic carnival games. Throughout this exhibit, you'll encounter a variety of challenges and thrills designed to trick your mind and body. But with a little understanding of probability, statistics, the laws of physics, and your natural ability to perceive light and movement, you'll see how to overcome the deception and learn how to win. So, are you ready to try your hand?



In **RAISING THE BAR**, let your eyes be your guide as they work together with your hands to lift the ball, navigating through a field of perils to land in the numbered holes. Play on your own or try it with a friend to increase the difficulty.

See how high the spheres can fly in **KINETIC COLLISIONS**, where combining conservation of momentum and a transfer of energy provides an instant visual into the startling effects of Sir Isaac Newton's third law of motion.

Velocity and acceleration are the name of the game in **ROLLER BOWLER**. Getting the ball over the hill and stopping it in the valley below requires just the right touch. Can you master both lanes?

Get ready to turn your potential energy into kinetic energy when you roll the ball in **RAMP IT UP**. Try your hand at both lanes and see what it takes to make the adjustment to score with an obstacle in your path.

In **MAZE CRAZE**, try to escape in the fastest time by using your eyes to guide your hands in steering the ball through a topsy-turvy labyrinth.

Who's up for some hoops? **TRICK SHOT** gives you the opportunity to show off your basketball skills by using trajectories and force to score. But beware: Not all is as it seems in this straightforward-looking basketball challenge.

**BOTTLE BALANCE** requires leaning on your hand-eye coordination to stand up the bottles using only a fishing pole and line. But be careful — each bottle has a different center of mass. Can you stand up all three?

Look closely at our carnival wheel and you'll find it's a **CIRCLE OF CHANCE**. Give it a spin to find the most likely outcomes, or play with a friend to see who can land on their color or number first.

The odds may be stacked against you if you think you can guess where the balls will go in **STACKING THE ODDS**. It might seem random, but probability shows us the way.

Peer into the strange, altered world of **FUNHOUSE MIRRORS**. Through the manipulation of reflected light and the unique way our eyes gather it, these mirrors fool your brain into seeing a distorted image of yourself. Also, look above you to view the exhibit from a new angle!