

# Quarantine Olympics

**Materials Needed:** variety of dollar bills, a bowl of coins, assorted small items (each player will need two), measuring tape/ruler/measuring stick, empty paper towel rolls, paper towel holder, 6 empty 2 liter bottles or water bottles, small ball, Fruit by the Foot (one for each player), timer/stopwatch, whipped cream, phone, and one sheet of paper per person.

## **CATCH THE CASH!**

Place a variety of dollar bills (same value or different) on the blades of a ceiling fan. Player one stands directly under the fan, and another player turns it on. The object is to catch the most money before it touches the ground. Once all the bills have fallen to the ground, collect them and place on the blades again for player two. Play as many rounds as you want!

\*\*\*If you don't have a ceiling fan, have the tallest member of the family stand on a chair and drop the money above.

Use what we have learned about adding numbers to find the value (not number of bills) of how much each player caught.

The player who grabbed the most money gets 5 points.  
The second place player gets 3 points, and the third place player gets 1 point.

## **STACK THEM UP!**

Each player uses coins to try and make the tallest stack with the highest value they can without it falling over. If it falls over, you are out. You must use judgement of how much each coin is worth and what you've learned about engineering to know how tall to make it before it falls over.

If your stack falls over, you are out! Be careful!

The player who built the highest stack gets 5 points.  
The second place player gets 3 points, and the third place player gets 1 point.

The player who has the stack with the highest value of coins gets 5 points.  
The second place player gets 3 points, and the third place player gets 1 point.

## **SOCIAL DISTANCE CHALLENGE!**

Each player needs two small items. The goal is to use your knowledge of measurement to make the best estimate of six feet. Place your two items at your best estimate of 6 feet.

The player who is closest to 6 feet gets 5 points.  
The second place player gets 3 points, and the third place player gets 1 point.

## **PAPER TOWEL TOSS!**

You will need one or more empty paper towel rolls and a paper towel holder. The object of this challenge is to use what you know about force and motion to toss the empty paper towel roll so it lands directly into the holder.

Players get three points for each toss that successfully makes it onto the holder. You can play as many rounds as you want!

## **BOWLING!**

You will need 6 empty 2 liter bottles or water bottles. Place empty bottles in a bowling pin formation with three in the back row, two in the middle, and one at the front. Use a small ball (tennis ball, foam ball, etc.) and your knowledge of force and motion to bowl down the pins.

The player who knocks over the most pins gets 5 points.

The second place player gets 3 points, and the third place player gets 1 point.

### **FRUIT BY THE FOOT CHALLENGE!**

Player one unrolls a Fruit by the Foot and measures it. Write down what the length of it is before you start. Place one end on your tongue and start a timer. You have 30 seconds to eat as much of it as you can. Measure how much you didn't eat in order to find out how much you did eat (total- length not eaten=length eaten). Each player repeats these steps.

The player who eats the most gets 5 points.

The second place player gets 3 points, and the third place player gets 1 point.

### **WHIPPED CREAM CHALLENGE!**

Wash your hands. Player one places their left hand out in front of them. Put a dollop of whipped cream on the top of player one's left hand. Using your knowledge of force and motion, strike the fingers on your left hand using your right hand creating a catapult with your left hand. The goal is to catch the whipped cream in your mouth.

\*\*\* Can switch right/left hands depending on player preference\*\*\*

\*\*\* Can use an ice cube if you don't have/don't like whipped cream\*\*\*

If you get the whipped cream in your mouth, you get three points.

### **KEEPING IN TOUCH!**

Each person picks one person (must be different) to call. One at a time, call each person on speaker phone and take note of how many seconds it takes for them to pick up the phone and answer.

The player who picked the person who answered the phone the fastest gets 5 points.

The second place player gets 3 points, and the third place player gets 1 point.

### **FLIGHT CANCELLED!**

Each player makes a paper airplane. Stand at the starting point and everyone flies their plane. Use a measuring tool to see how far everyone throws their airplane.

The player who made the plane that goes the farthest gets 5 points.

The second place player gets 3 points, and the third place player gets 1 point.

### **MINUTE CHALLENGE!**

Player two needs a stopwatch. Player one has to estimate how long a minute is. Player two will start the stopwatch and say GO! Player one says STOP as soon as they estimate it has been a minute. Calculate how many seconds you were off (over or under). Take turns with each person estimating how long a minute is.

The player who is closest to a minute gets 5 points.

The second place player gets 3 points, and the third place player gets 1 point.