

## Objective

By the end of this lesson, Vera will understand the basics of racing strategy and teamwork in Mario Kart, while also practicing math skills through fun activities related to the game.

## Materials and Prep

- Paper and pencils for math problems
- Timer or stopwatch for racing activities
- Access to a computer or tablet for Mario Kart (optional, if needed)
- Space for physical activities (like racing around the yard)

Before the lesson, make sure Vera is familiar with the basic controls of Mario Kart and has a favorite character to race with.

## Activities

### • Math Lap Time Challenge

Vera will create a simple math problem for each lap time she records while playing Mario Kart. For example, if she takes 1 minute and 30 seconds for a lap, she can convert that to seconds and then add or subtract different numbers to create new problems.

### • Character Stats Comparison

Vera will pick her favorite Mario Kart character and write down their stats (speed, acceleration, weight). She will then compare them with other characters to see which ones are better for different types of races.

### • Obstacle Course Race

Set up a fun obstacle course in the yard or living room. Vera will race against the clock, timing herself as she navigates through the obstacles, just like in a Mario Kart race!

### • Team Strategy Discussion

Vera will discuss with you different strategies for winning races in Mario Kart, such as when to use items and how to work with teammates in multiplayer mode.

## Talking Points

- "What do you think makes a good Mario Kart racer? Is it speed, strategy, or something else?"
- "When you're racing, how do you decide when to use an item? Can it change the race?"
- "Why do you think some characters are faster than others? What does that mean for our races?"
- "How do you feel when you win a race? What about when you lose?"
- "Can you think of a time when teamwork helped you in a game? How can we use that in Mario Kart?"
- "What math skills do you think are important for racing? How can we use those skills today?"
- "What would you do differently next time you race? Can you think of a new strategy?"
- "How can we make our obstacle course more challenging? What would be fun to add?"