

## **Fun Park Lesson Plan #2 – Graphing Data – Go-Carts (Outdoor Alternate)**

Name of teacher designing the lesson: Rose Rivezzi

Full day field trip to the Fun Park

Lesson # 2 (alternate for outdoors) Graphing data of go-cart times on a double line graph

### **SKILL**

Collect and record data

Rounding numbers

### **CONCEPTS**

Using a stopwatch; recording times to nearest second

Setting up a double line graph and accurately recording data

Brief outline of the lesson:

1. The students will ride a go-cart on the course for two laps up to four times
2. Partners will time each other and record times on a chart.
3. Partners will make a double line graph.

Detailed step-by step outline of the day:

Several chaperones are useful for this lesson since students under 54” will need to ride with an adult. Students take turns riding the course while their partners time them. Times are recorded on the worksheet and rounded to the nearest second. Four trials are recorded. Once data is collected, students make their line graphs reflecting data for both students on one graph. Students can work at the tables there.

Resources Required:

1. Stopwatches
2. Pencils
3. Colored pencils to show two different colored lines
4. Worksheet (see below)

Preparation Required:

- Reproduce copies of worksheet
- Arrange for adult chaperones to assist students.
- Classroom lesson on line graphs

Assessment: I simply used a  $\sqrt{+}$ ,  $\sqrt{}$ ,  $\sqrt{-}$  scoring depending on the completeness of the task or level of understanding.

### Station #3 Go Carts Line Graph

Needed: sports watch for each pair of students, clipboard

- You and your partner will take turns timing each other for 4 turns around the track. Each turn will be 2 times around the track. Decide who will go first. (If you pass the 54” test you may drive alone. If you are under 54” and adult chaperone will ride with you.

- Complete the information below before making the double line graph.

Round each time on the stop watch to the nearest second.

Times for 2 Laps Around the Track

	Trial #1	Trial #2	Trial #3	Trial #4
My time				
Partner's Time				

Now make a double line graph on the next page using the data from the chart above.

