**SIX FLAGS OVER GEORGIA MATH and SCIENCE DAY**

**HIES SCIENCE DATA COLLECTION**

Your data may be recorded on your phone orally, as a text or using the notepad app.

OR Write it down on a sheet of paper or a notecard. The information will be used in class on Monday to complete a GRADED assignment at school!

*BE SURE TO DOWNLOAD THE DATA ONTO YOUR COMPUTER/EMAIL IT TO YOURSELF BEFORE MONDAY! EACH MEMBER OF YOUR GROUP MUST HAVE THE DATA.*



*(You will use the data from this ride to calculate the acceleration and speed of a log, which basically starts from rest and shoots 36 meters to the bottom of the chute.)*

**TASK 1:** Measure the time it takes for a log to travel down the final chute of the Log Flume three times. Start timing when the log pauses at the top of the flume and stop when it reaches the bottom. Record your measurements.

Log time 1 = Log time 2 = Log time 3 =

**TASK 2:** Estimate: How fast do you think the log is going at the bottom of the chute?

A. 5 m/s B. 10 m/s C. 20 m/s D. 30 m/s E. Faster than 40 m/s

Record your estimate.