**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 be comparing the speeds of the Georgia Cyclone and the Great American Scream Machine. These are two old wooden coasters, engineered with modern technology.***

***Total track length: Georgia Cyclone = 1047 meters Scream Machine = 1158 meters.***

Task 1 is the same for both rides – Do your measurements from which ever ride you get to first.

**TASK 1**: Walk from the Georgia Cyclone to the Scream Machine (in either direction.)

* As you walk, **count the number of strides** it takes to walk from the teacher stationed at one ride to the teacher stationed at the second ride. Record the number of your strides. *Each student must count his/her own strides!*
* Time how long (in minutes) it takes you to walk. Record your time.

Data: # of strides = Time to walk =

**TASK 2**: Measure the time (in seconds) it takes for the Georgia Cyclone ride to go from the starting point until it comes to a complete stop when it arrives back at the station.

Record your measurements. Repeat two times.

Data: Cyclone time 1 = Cyclone time 2 = Cyclone time 3 =

**TASK 3**: Guess which will be fastest. The Cyclone or the Scream Machine?

Each student should record his/her own guess.