

TOMAHAWK SCHOOL DISTRICT
FIELD TRIP REQUEST

Requestor/Title: James Krueger / James Norman
Event: Six Flag Field Trip
Location: Gurnee, IL
Date(s) and Time of Travel: May 16, 2014
Same Day Trip Overnight Trip
Justification: Physics trip to Six Flags
Great America

Approximate Students: ~40
Chaperones Utilized: 2
Transportation Utilized: Lamers Bus Company

Cost (per individual, total cost): 40⁰⁰ - 60⁰⁰

Funding Activity: Car Wash

Cost to School District: 400⁰⁰

Date of Request: 2/24/14

Principal Approval Initials:  2-25-14

DA Approval Initials: _____

Board Approval Date: _____

Participants who request fieldtrips are expected to give a short presentation at the Board meeting following the trip.

2/21/2014

TO: Tomahawk Board of Education
FROM: James L. Krueger, Physics A Teacher
James Norman, Physics B Teacher

We are writing to inform you that we would again like to take our physics classes to Six Flags Great America in Gurnee, IL. We are planning to take the students in May, possibly on Friday, May 16. Great America will be holding their annual Math and Science Day during this time. The park is closed to the general public on this day in order to accommodate high school math/science students from around the Midwest. During the Math and Science Day, Six Flags offers educational seminars on the physics behind roller coasters. In addition to the seminar, the students will be required to demonstrate their ability to use the physics principles we covered this year to analyze a roller coaster and a rotating ride. For example, the students will be asked to calculate the speed at the bottom of the first hill of their coaster as well as the maximum positive and negative g-load they encounter while riding the coaster. Their analysis will be summarized in a final laboratory report. This trip gives the kids a great opportunity to tie together ideas they developed in class with a real world situation.

This year we have about 40 students planning to go to Great America. Depending on the final numbers, Mr. Krueger may also contact the physics teacher from Merrill High School in an attempt to fill the coach bus to help reduce the cost per student. Hopefully, we can keep the total cost at about \$40.00 to \$50.00 per student. In years past, we have departed about 5:30 am and returned about midnight.

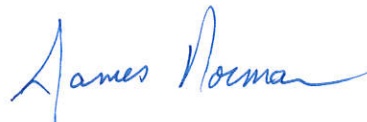
This trip is truly a quality educational experience and one of the highlights of the year for the students.

We sincerely hope that this trip again meets with your approval.

Thank You,



James L. Krueger
Physics and Chemistry Teacher



James Norman
Physics and Math Teacher