

Clayton High School Physics Department Presents:

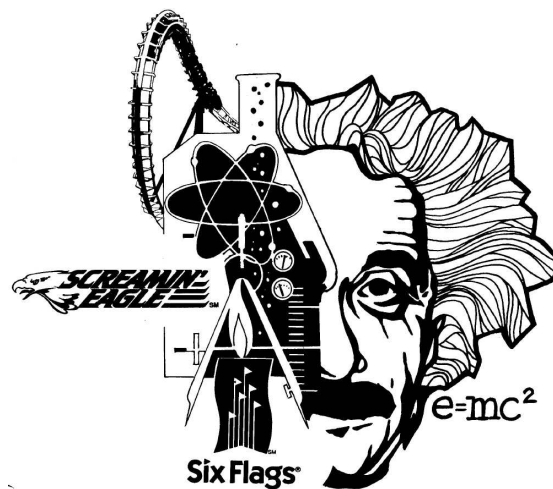
Physics Day

at Six Flags St. Louis

Friday, April 20, 2018

Ticket Cost: \$27.00 per student

Meal Cost: \$14.00 per student



On Friday, April 20, the physics students from Clayton High School will venture to Six Flags St. Louis to participate in Physics Day. This annual event is designed to allow students to turn the amusement park into a giant physics laboratory. Students will analyze data collected by observing and riding the thrilling rides at Six Flags. The park is not open to the general public during this exclusive event for the physics students of the greater St. Louis area. CHS will be taking all of its physics students, including freshmen to this event. Students will be required to perform prepared physics activities associated with the rides.

Activity materials and measuring equipment will be provided to students by their physics teachers. Students will be chaperoned by Clayton High School physics teachers as well as other Faculty from CHS. Depending on the number of CHS teachers that volunteer to chaperone, we may need some parent chaperone support as well.

The school district will provide bus transportation to and from Six Flags with at least one chaperone per bus.

Students will be required to check in with their respective physics teachers at least three times during the event.

Buses will leave school at 7:45 a.m. (Students must check in by 7:40!) on Friday, April 20, and will check in to leave the park at 3:30 p.m. that day. Students will be back at the school by 4:30 pm.

Meal Options:

1. **Six Flags Picnic Meal Combo – \$14.00** – This option consists of an “all you care to eat” catered meal that includes hot dogs, fried chicken fritter sandwich, potato chips, pasta salad, green beans, twin pops and unlimited soft drinks. This is the recommended option as it will be catered in the World’s Fair Grove section of the park, and students can eat fairly quickly without standing in lines. It is also ultimately cheaper than buying most food at the park restaurants.
2. **Bring your own bag lunch.** We will bring coolers in a vehicle. During lunchtime, students may come to the Six Flags parking lot to eat the lunch they have brought with them. We will provide water and soft drinks.
3. **Eat at the park restaurants.** We are not sure which restaurants will be open during Physics Day, but some will. This option will likely cost you more than the Picnic Combo option, and will definitely involve standing in line for some time. We recommend one of the previous options to allow you to maximize your time having fun while doing physics at the park.

Important Details:

The cost of Park Entry tickets and meal tickets is non-refundable. We will have to order and pay for these tickets well in advance, and Six Flags will not provide refunds for these tickets.

If the student has a season pass for the 2018 season, the cost for the field trip is \$3.00. Students with season passes may still elect to do the \$14.00 Picnic Meal.

We will be collecting the fees for this trip at the beginning of next week, and need to have all money for tickets and meals in by **March 20th**. Please make checks payable to **Clayton High School**. If you must pay in cash, please use exact change. Change will not be provided. Fees will be turned into your physics teacher.

It is hard to predict the weather for events such as this. Students should dress for the forecasted weather. It can be quite chilly in late April, something that is compounded by the wind chill associated with fast moving rides. Please dress appropriately.

We look forward to a fun and educational day at Physics Day at Six Flags!

Rules:

- This field trip is an extension of the school day. All rules that are in effect during school are in effect throughout this field trip.
- Hard objects, such as clipboards, are NOT allowed on the rides. The equipment you carry on the rides must be of the type that if it is dropped and/or flies out of your hands it will not injure anyone.
- All riders must remain seated from start to stop of each ride cycle.
- All riders must keep their arms and legs inside the ride unit at all times.
- All riders must use all restraining devices (lap bars, seat belts, etc.) as they were designed to function throughout the entire cycle of each ride.
- In addition to the above, all riders must abide by all special rider policies listed at the individual rides.
- Eating, drinking, and smoking are prohibited on all rides.
- If possible, do not bring purses, cameras, etc., to the park. They are cumbersome and may be lost on the ride. Six Flags and its employees bear no responsibility for your personal belongings.

Bring:

- Park ticket, meal ticket
- Packet of ride questions
- Large fanny pack or small backpack or large Ziploc bag for materials
- Calculator
- Stopwatch/watch/cell phone with a timer
- Pens and pencils
- Your group's vertical and horizontal accelerometers
- A photo ID. This is explained below
- Dress appropriately — you will be outside all day with little shelter: April is often cold. Wear pants with pockets. Wear clothing that will dry out quickly if it gets wet. The wind chill on roller coasters is considerable – bring something with long sleeves. If it rains, you will ride in the rain and like it.

Note about meals:

We encourage students to take advantage of Six Flags Physics Day Picnic Combo – a good value that will make the students' time at the park more productive. The meal deal is served buffet style in the World's Fair Pavilion; there is little or no waiting; it is less expensive than purchasing food at park concessions; it is "all you care to eat;" and the large, sheltered tables in the Pavilion allow students to work on the ride analyses while eating lunch. The food caterers require a definite cutoff date, so the Picnic Combo Meal must be ordered and paid for at the same time as we order the tickets. Please add \$14.00 to your check if you plan to take advantage of the Picnic Combo.

Note about Checks for Tickets and Meals:

Please make all checks payable to **Clayton High School**. Please record the name of the student in the memo section of the check. If the check is for the park admission only, the check should be for \$27.00. If it is for park admission and the Picnic Combo Meal, it should be for \$41.00. If it is for a student with a 2018 season pass, the check should be for \$3.00 or \$17.00 (with Picnic Meal). Checks are preferred. If paying by cash bring exact change. Change will not be provided. to your check if you plan to take advantage of the Picnic Combo.

Note about Photo IDs:

Please remember to **bring a photo ID** to Physics Day. With an ID, students are allowed to check out the high-tech equipment for collecting data on Mr. Freeze free of charge. Students borrow the equipment by trading a photo I.D. (such as a driver's license or school I.D.) for a data collection vest just before boarding Mr. Freeze. The I.D. cards are returned to the students when they turn in the vests at a computer downloading and printing station at the ride exit. This equipment is available due to generous equipment lending by Vernier Software, the pooling of equipment from local high schools, and the purchase of equipment by Six Flags St. Louis.

More Information:

More information about Physics Day and the activities associated with it can be found at the [St. Louis Area Physics Teachers website](http://www.slapt.org) at <http://www.slapt.org>. Other information can be found at the Six Flags St. Louis website at [Six Flags St. Louis Website](http://www.sixflags.com/stLouis/events/CalendarEvents.aspx) at <http://www.sixflags.com/stLouis/events/CalendarEvents.aspx>

We will post this information and other pertinent information about the field trip on the [Clayton High School Physics Website](http://www.claytonphysics.net) at <http://www.claytonphysics.net>. You can also contact your physics teacher via email:

Ms. Adams: jenniferadams@claytonschoools.net

Mr. DelaPaz: gabrieldelepaz@claytonschoools.net

Mr. Laux: robertlaux@claytonschoools.net

Dr. Schuster: davidschuster@claytonschoools.net

After having read the information contained above, please fill out the attached form and have it signed by a parent. Return it to your with your payment no later than **March 20th**.

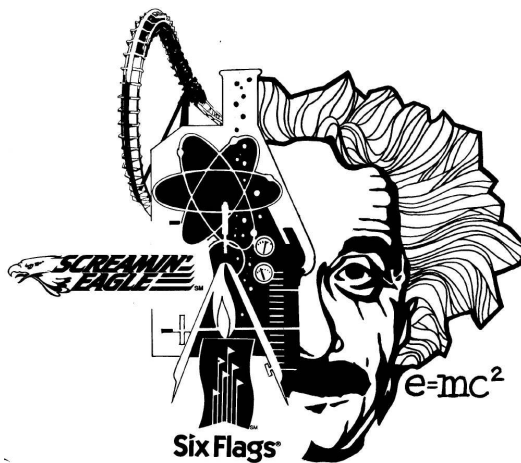
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Office Use Only:

Amount \$ _____

Check # _____ Cash _____

AdmPicnicCombo _____

Admission Only _____

Season Pass _____

SP w/PicnicMeal _____

Bag Lunch _____

Buy Lunch _____

Teacher _____

Dear Parent:

On Friday, April 20, 2018, the physics classes at Clayton High School will be traveling to Six Flags St. Louis to participate in Physics Day at Six Flags. Students will be engaged in fun educational activities as they use the amusement park as a larger than life physics laboratory. Please read the attached flyer. If you give your permission for your student to participate, please send this completed form and the ticket/meal fee with your student by **March 20th**.

I give my permission for _____ to attend Physics Day at Six Flags on Friday, April 20th
Please Print Student's Name
with the Clayton High School physics classes.

We understand that this trip is will be chaperoned by the CHS physics teachers, other CHS faculty/staff, and possibly CHS parents. Students will ride a bus provided by the School District of Clayton to and from Six Flags St. Louis.

We have read and understand the attached description of the Physics Day field trip.

We understand that this field trip is an extension of the school day, and while off campus, students will expected to follow normal school rules, including those regarding tobacco, alcohol, and drugs.

We understand that the ticket cost is not refundable in case a student is not able to attend on the date of the event.

We understand that students are expected to check in with chaperones at regular intervals

We understand that students are expected to participate fully in the activities associated with Physics Day as outlined by their physics teachers.

Parent Signature

Student Signature

Date

Please check a box corresponding to this student's meal choice.

- Six Flags Picnic Combo (add \$14.00 to the \$27.00 park admission cost for a total of \$41.00)
- Student with Season Pass and Picnic Combo meal (add \$3.00 to \$14.00 for a total of \$17.00)
- Bag Lunch brought from home (Water and soda and a cooler for lunches will be available in a vehicle at the park)
- Student will purchase lunch from one of the Six Flags concessions. (Student will provide his/her own lunch money)

Please make checks, payable to **Clayton High School**, in the amount of **\$27.00** for the park admission ticket only, or **\$41.00** for the park admission and the Picnic Combo meal. **\$3.00** for students with a season pass, **\$17.00** for season pass holder and Picnic meal. Please write the name of the student on the memo line of the check. Return this completed form with payment.