

**Attention: Secondary Science Teachers**

## AMUSEMENT PARK SCIENCE AT PLAYLAND

### Celebrating 25 years of Amusement Park Physics in 2012



Amusement Park Science is a unique opportunity for students to learn about the science behind amusement park rides at Playland in an exciting and educational way! Students from **Science 8, Science 10, and Physics 11/12, Biology 12 and Chemistry 11/12** can learn about acceleration on the Roller Coaster, G-Force on the Hellevator, and much more using the Amusement Park Physics curriculum guide with grade appropriate experiments.

**New this year Chemistry 11 and 12:** Students are now be a part of the Amusement Park Physics program. Student curriculum sheets match the prescribed learning outcomes by having students look at the chemistry of the food served at Playland. Students perform both qualitative and quantitative chemical tests, calculate molarity, determine percent composition and other appropriate experiments.

**Cost: Students.....\$17 (including tax) Per Student**  
**Teachers/Parent Supervisors.....FREE!**

**Register Today! – To book your class to take part in the program, please fill out the following information and fax the form to 604.251.7753. Email confirmation and details about the program will be sent within 3 business days. Book early as space is limited! Deadline to register is April 16th, 2012.**

School Name	Phone Number	Fax Number
School Address	City	Province
Contact Name		Contact Email Address

Please keep me on the e-mail list for updates about future science day programs:  Yes

I would like to register my class for Amusement Park Science 2012 on:

- Tuesday, May 1st  
**PHYSICS 11/12, BIOLOGY 12, CHEMISTRY 11/12 and BC'S BRIGHTEST MINDS COMPETITION** (25th Anniversary Celebrations)
- I would like to register my students (max. 2 per school) for the BC's Brightest Minds Competition (Please see next page for more information)
- Wednesday, May 2nd    Thursday, May 3rd    Tuesday, May 8th    Thursday, May 10th   **COMBINED DAYS**

Please select the grade level of your class:

- Science 8    Science 10    Physics 11/12    Biology 12    Chemistry 11/12

Number of Students Attending: \_\_\_\_\_ Number of Teachers/Supervisors Attending: \_\_\_\_\_

**Orientation Session**

To help you become better familiarized with the program, an orientation session for teachers will be held at the PNE on Saturday, April 28th, 2012 from 9am to 12pm.

- I would like to attend the Orientation Session.  
 I have attended Amusement Park Science before.

**Have Questions About the Program?**

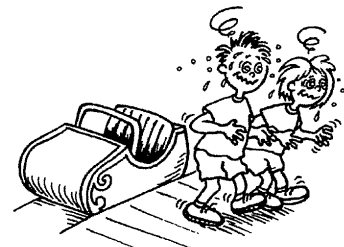
See the next page for common inquiries about Amusement Park Science!



## FREQUENTLY ASKED QUESTIONS ABOUT THE PROGRAM

### **Is there a limit on the number of students/supervisors I can register?**

No, we do not have a limit on the number of students that can participate from any particular school, nor we do have specific requirements on the number of supervisors needed to accompany the group. We recommend a ratio of at least 1 supervisor for every 10 students for the secondary grades, but this is at the discretion of the school. You are welcome to bring however many supervisors necessary for the trip.



### **I'm not sure what my final numbers will be – what happens if my numbers change?**

At this point in time, we just need to know a fairly good approximation of how many students/supervisors to expect from your group. Your final numbers can be confirmed as we get closer to the program days. Extra wristbands can always be purchased at the event, and conversely any no-shows are simply taken out of your group numbers.

### **How do I pay for my passes?**

Payment is due on the morning of the event. Please stop by the Group Sales booth at Playland Amphitheatre to pay for and obtain your passes.

### **What forms of payment do you accept?**

Major credit cards (Visa, MasterCard, and American Express), debit, cash, and school cheques made out to the Pacific National Exhibition.

### **My student has a season pass for Playland. Will they be able to use the pass for the event?**

Unfortunately Playland Season Passes are only valid during regular Playland operating hours. As this is a private event, all students must purchase a \$17 pass.

### **Where do we get the Amusement Park Science Curriculum Packages from?**

The curriculum packages for Science 8, Science 10, Physics 11/12, Biology 12, and Chemistry 12 will be available online to download in the month leading up to the program. Teachers are responsible for printing out the sections that they would like their students to focus on during the program, which is primarily self-guided.

### **What time does the event run from?**

The program takes place from 10am to 2pm, with a brief opening ceremony from 9:45am to 10am. Students should be dropped off at Playland Amphitheatre. Groups are encouraged to arrive early to take care of payment. Students will not be able to stay past 2pm in the park.

### **What is the BC's Brightest Minds Competition?**

The competition features teams of two Physics 11/12 students from schools all over the province competing for cash prizes and the title of BC's Brightest Minds. Each team will be given a series of physics problems, a set of tools required to complete the problems, and exclusive early access to the amusement park rides. Entry is free and teachers are allowed to register one team per school (deadline to register is April 16th, 2011). This year's event takes place on Tuesday, May 1st; on the day, students must be signed in before 8am and have until 12 noon to complete and submit their answers. A panel of UBC Physics teachers will review the answers and the winners will be announced at a special closing ceremony in Playland Amphitheatre at 2pm!

### **What happens if I have to cancel?**

There is no penalty for cancellation; we simply ask that you inform us as soon as possible so that we can free up space for other classes.

### **What happens if it rains?**

The program goes on—rain or shine! We recommend that you advise students to dress accordingly for the weather.

**Please do not hesitate to contact us if you have further questions!**

