

# ExploratoRio • Read This Carefully!

**EXHIBITOR • SUPPORT STAFF • NON-PARTICIPANT INFO**

**>>> NO BACKPACKS • NO FOOD • NO PHONES <<<**

“ExploratoRio was the best day of my life” – Morgan Lambert (Close of ExploratoRio 2011)

## Exhibitors

1. TUESDAY: Exhibit setup is Tuesday 5:00-6:00pm; part of your grade depends on meeting that criterion. Do not bring your exhibit to the physics classroom Monday or Tuesday for storage. There is no storage available before 5pm Tuesday. Spaces will fill up and it is important that you get the kind of space you need without having to inconvenience others. Tuesday setup will be a bit crazy. Everyone will want the instructor's attention and he is but one person. You will need to be patient and as prepared as possible to set up your exhibit on your own. This is why we had check-ins. If you are using bubbles, the solution should have been mixed several days in advance of ExploratoRio.

2. WEDNESDAY DAYTIME: 7:50am-12:25pm Unless otherwise (previously) agreed to, only **one** exhibitor can be stationed at the exhibit at a time during ExploratoRio. Space is tight. Manage the time; trade off with your partner during passing periods as need be. Do NOT leave your exhibit unattended. Be prepared for breakdowns on your exhibit. Bring tools, extra supplies, etc. as you see fit. It may get very warm in the room; dress appropriately; bring bottled water. Be prepared to work with elementary school students and teachers. Be nice, be cheerful, be patient, apply discipline to misbehaving students; excite them with the wonders of your exhibit. Remember that you DON'T do the exhibit; visitors DO. They might be shy or apprehensive; it's your job to draw them in and get them to participate. **But not with candy or other food/drink/etc.!**

**CANDY, ETC. IS NOT TO BE ANY PART OF ANY EXHIBIT!**

3. WEDNESDAY NIGHT: **Be on time— 6:15pm.** Visitors will be showing up at 6:30pm. You need to be in place and ready to roll by 6:30pm, so you need to be at your station by 6:30pm. As with the children during the day, FORCE parents to actually do the demonstration of your exhibit. They'll let you do it for them if you allow them to. Explain that they must do it; you'll explain it. Be friendly but firm. Also be ready for tough questions: CSUS Physics professors often stop by to see if you know the science of your exhibit.

## EXHIBIT Scoring considerations

Participation in ExploratoRio makes you eligible for CTF Points†. The number of CTF Points you are awarded will be determined by a number of considerations.

1. General Responsibilities:

a. Research and Explanation. Upon approval as an exhibitor and assignment of an exhibit, you will be expected to research the principles underlying your exhibit. You will be expected to develop instructions for your exhibit and submit a written copy of them to the instructor. You must also write a “PhyzGuide”-quality handout describing how your exhibit works (including a clear, labeled diagram), the fundamental principles it illustrates, and applications of those principles in the real world. Make \_\_\_\_\_ copies and give them to visiting elementary teachers.

b. Construction. Your team must build the exhibit on your own. You must find and purchase all materials for your exhibit.

c. Exhibition. You are expected to keep **one** person at your exhibit at all times during ExploratoRio Daytime and Evening Exhibitions. Stay with your exhibit; do not wander away from it. Do NOT conduct the demonstration of your exhibit; that's for the visitors to do. They DO it; you EXPLAIN it! *Show enthusiasm for your exhibit and the physics involved!* While supportive of and impressed by the other exhibits, you are “selling” your exhibit as being the coolest in the show: be friendly, be animated, etc. *Exhibitors must enjoy explaining their project to young children. Do not eat while tending your exhibit. Drink only water while tending your exhibit. Do not text or otherwise engage in personal electronics;* you're focused on ExploratoRio to the exclusion of all else.

d. Notes to the Future. You are also expected to provide notes on your exhibit for future exhibitors: what works, what doesn't work, where to get stuff, what might be cool to try, extensions or alternate forms of the exhibit, etc. Your notes will replace any that you were given, so include the wisdom from previous exhibitors and from Mr. Baird. **Submit your N2tF as a Word document (or as a PDF) attached to an email sent to dean@phyz.org with the name of the exhibit (NOT “Notes to the Future” or “N2tF”) as the subject.**

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**Note: your N2tF will be posted on The Internet (via www.phyz.org) for the world to see. Include first names (but not last names) in the text of the document.**

- Meeting the Timeline Obligations. It is important that you have a working exhibit on schedule.
- Meeting the Exhibiting Obligations. Set-up, ExploratoRio Daytime, and ExploratoRio Nighttime.
- Difficulty. Assuming all other obligations are met, the level of difficulty (as determined by past experience) determines the maximum number of points you will be awarded. Final scores are determined *subjectively* by your instructor.

**Level 1** = 60 pts • **L2** = 80 pts • **L3** = 100 pts

Grading: 20% On-time correct and complete construction, 20% On-time set-up and complete take-down, 20% Complete coverage during all exhibition hours, 20% PhysGuide & Notes to The Future, 20% Enthusiasm and quality of visitor interaction.

**Support Staff**

**BANNERMAKERS: “Battle Stations!”** Paint and hang banners and post flyers around campus advertising ExploratoRio. Most of this work needs to be done Tuesday and Wednesday just before ExploratoRio. Banners should include info: “ExploratoRio: groovy hands-on exhibits of science and perception. Room B-8. Today only! Don’t miss it!” Banners should be hung around the quad (consistent with school policy) so as to direct parents attending Open House to ExploratoRio. We also need a big banner to hang on the wall outside B-8 identifying this as the location of ExploratoRio. *Banner Crew must also take down banners and flyers from 7:30pm - 8:00pm ExploratoRio Night.*

**SETUP CREW: Tuesday After School.** Assist in preparing room for ExploratoRio **Tuesday, 3-5pm.** A list of tasks will be posted.

**CHALK SQUAD** Make chalk signage on the pavement at entrances and access roads that lead daytime elementary school visitors to their parking spots and then to ExploratoRio (room B-8). **Time: 1st period Wednesday.** Draw your creative

artwork on horizontal surfaces (sidewalks) only. The only vertical (wall) you can decorate is the backside of our *Dark Side of the Moon*. “ExploratoRio This Way...” Arrows... When “Parking-lot-to-B8” routing is done, create some “Cafeteria-to-B8 ExploratoRio” markings.

**PHOTOGRAPHERS AND VIDEOGRAPHERS** See Mr. Baird to obtain the ExploratoRio Photographer Notes and details on appropriate filenames for your submissions (**not** IMG\_3425 or DSC6784). Double-check your camera, batteries, and memory cards; make sure you’re ready!

**TAKE-DOWN:** Assists in returning room to classroom configuration, **Wednesday 8:00-9:30pm.** A list of tasks will be posted.

**ADMINISTRATIVE ASSISTANT** assists instructor, setup crew, and exhibitors during Room and Exhibit Setup (Tuesday 3-6:30pm), ExploratoRio and Take-Down (Wednesday 7:50am-12:30pm and 6:15-9:30pm), and a variety of administrative tasks before and after.

**ELEMENTARY CLASS HOST:** Know when your class is coming and be here to greet them and explain ExploratoRio.

**Non-Participants**

Visit ExploratoRio during **your** period of the day, but do not linger at any given exhibit to socialize with its exhibitor. All ExploratoRio attendees are there to be wowed by the exhibits. Just as you would not try to chat with an actor during the school play, do not try to take exhibitors out of their presentation mode. Most of all, keep out of the way of the wide-eyed elementary school students making their way from exhibit to exhibit. ***ExploratoRio is for them.***

†To collect **any** CTF Points for second semester, the student must be present during the scheduled Final Examination.

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**THERE IS SERIOUSLY NO ROOM FOR ANY BACKPACKS IN THE ROOM—NOT EVEN YOURS. THERE IS ALSO NO NEED FOR BACKPACKS; KINDLY LEAVE BACKPACKS IN YOUR LOCKER OR ELSEWHERE. BACKPACKS FOUND IN THE ROOM DURING EXPLORATORIO WILL BE GENTLY PLACED OUTSIDE THE CLASSROOM DOOR.**

**Make ExploratoRio your best day in Physics and help inspire the next generation!**