

# USU PHYSICS DAY AT LAGOON

## CURRICULUM CONTEST REGISTRATION FORM

*School Name:*

*School Address:*

*Curriculum Entry Title:*

*Teacher:*

*Email:*

*Phone:*

*Teacher:*

*Email:*

*Phone:*

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### GOALS:

The goal of the contest is to create curriculum material on Amusement Park Physics for use in your schools. Material developed for the contest can include lessons for use in the classroom either before or after Physics Day or activities and contests for completion at Lagoon on Physics Day. These activities provide excellent motivation for classroom discussions, lessons, problems and experiments on topics such as rotational mechanics, centrifugal force, conservation of energy, design of measurement devices, and data collection and error analysis techniques, to name just a few. For instance, it is much easier to get students excited to think about the physics of roller coasters than about the traditional, but very dry example of carts on inclined planes.

### CONTEST RULES:

- The contest is open to all high school and middle school teachers in the Intermountain Region. Entries will be accepted from individuals or groups.
- The curriculum material will be limited to a maximum of two pages of teacher handouts and a two-page student worksheet. An answer sheet should also be submitted if appropriate. Contestants may also prepare a poster to be displayed at the Davis Pavilion during Physics Day.
- Two complete copies of contest entry material must be submitted at the registration desk before general registration closes at 11:00 on Physics Day.
- Selection will be based on the material's educational value, physics content, and other sponsors of Physics Day.
- This material will be compiled and made available to other high school and middle school teachers in conjunction with future Physics Days at Lagoon.
- Refer to the Curriculum Material Request Form to obtain copies of material developed by previous contest winners.

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**Please have your entry on display in the Davis Pavilion from 11:00 to 2:00.**

**Please fill in all red, italics items before submitting the form**