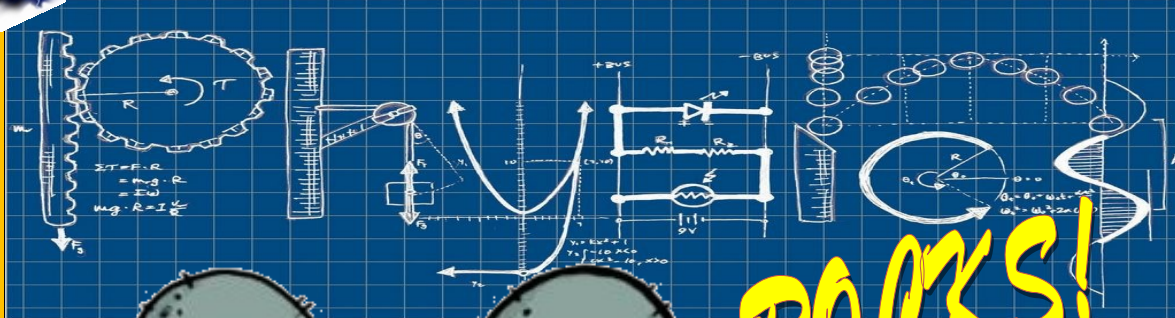


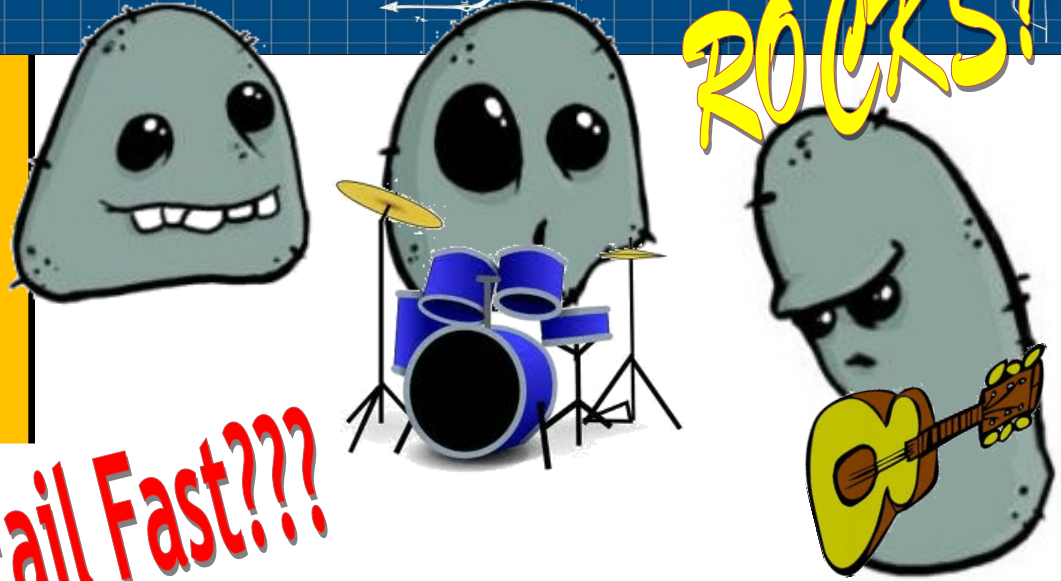


# Saturday, March 1st



Date: March 1st, 2014

Time: Team sign-in will begin at 8:30 AM; event start at 9:00 AM



## Fail Fast???



### The Challenges:

Get your rock band together and get rolling!

There are four different events, each centered around different principles of Physics. You may attempt them in any order. For more information about each event, choose one of the links below:

- [Rock Climber](#) (friction)
- [Flying Rock](#) (parabolic motion)
- [Rock Diver](#) (buoyancy)
- [Rock Swing](#) (inertia)

### Preparing for the Event

**Planning for (and learning from) failure is a powerful skill.** As you select rocks, strategy, and assemble your build kit, be sure to consider what will go wrong and include items that give you multiple options. You will need to pre-plan carefully as there is lots to go wrong as you compete in each of the four challenges! Consider doing some practice runs before you arrive as the course will be crowded.

**Your Rock Band:** For each challenge, you will be constructing a vehicle for a specific rock of your choosing. Careful planning for the **entire** course is the key!

- You are allowed to register a total of five rocks with the overall combined weight being less than 1500 grams.
- After each event, the rock used will be collected.
- If you lose a rock or a challenge fails, you may repeat with a new rock.

**Your Build Kit:** You will also need to bring a build kit stocked with any supplies you believe you will need for the challenges. Your guidelines for this kit are:

- Items in the kit must be un-assembled (no moving parts or items with moving parts will be allowed) and may **not** be exchanged at any point during the day.
- Your entire kit and it's container must fit completely inside a 12x12x12 box.
- You will be able to recover and reuse any kit items used in a challenge.

**Registration:** Prior registration for this event is required. Teams should register by clicking the link below:

[\*\*REGISTER NOW\*\*](#)



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