



Ready, Set, Launch!

Introducing students to microelectronics
and the physics of rocketry

Thursday, June 8

- 8:00 – 8:30 Introduction to Ready, Set, Launch! and review of pre-work
- 8:30 – 10:15 Rocket build session I
- 10:15 – 10:25 *Break*
- 10:25 – 11:55 Rocket build session II
- 11:55 – 12:30 *Catered lunch*
- 12:30 – 1:00 Rocket finishing and decoration
- 1:00 – 2:30 Introduction to avionics
- 2:30 – 2:40 *Break*
- 2:40 - 4:00 Simulating rocket flight with students using OpenRocket

Friday, June 9

- 8:00 - 12:00 How to run a rocket launch with your students--Preparation and launch of teachers' rockets at Glen Ed soccer complex; practice with rockets and avionics.
- 12:00 – 12:30 *Catered lunch*
- 12:30 – 1:30 Experimental data extraction and parsing
- 1:30 – 3:00 Using spreadsheet models to compare experimental vs. theoretical data.
- 3:00 – 3:10 *Break*
- 3:10 – 4:00 Wrap-up and CPDU survey

