



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; Parachute folding
- 11:55 – 12:30 *Catered lunch*
- 12:30 – 2:00 Introduction to avionics
- 2:00 – 2:10 *Break*
- 2:10 – 3:30 Simulating Rocket flight with students using OpenRocket
- 3:30 – 4:00 Rocket finishing and decoration

Friday, June 9

- 8:00 - 12:15 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.
- 12:15 – 12:45 *Catered lunch*
- 12:45 – 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

