



CRMSE Colloquium Announcement

Fred Goldberg

CRMSE and Department of Physics
San Diego State University

An Online Resource to Support Responsive Teaching in Science

Friday, April 18, 2014

1:00 – 2:00 pm

6475 Alvarado Road, Suite 128

RSVP: <http://crmse.wufoo.com/forms/crmse-colloquia/> or
email Karen Foehl Palmer at kfoehl@mail.sdsu.edu

Abstract: In responsive teaching, teachers notice, interpret, and respond to students' ideas as they arise during instruction. Teachers listen for what their students are actually saying, rather than selectively listening only for correct answers. On a day-by-day basis, the flow of classroom activity emerges from students' thinking, a flow that makes sense to the student. This is in contrast to a traditional approach in which students participate in preplanned lessons and experience a flow of thought that makes sense to the curriculum designer. As part of an NSF-funded project, which ran from 2008-2013, we engaged a group of San Diego grade 2-6 teachers in three years of extensive professional development to help them become familiar with and improve their practice of responsive teaching. We videotaped our professional development sessions and many of the teachers' classroom efforts. Drawing on this large volume of video and our discussions with project teachers, we designed a prototype website to serve as a major resource for teachers, professional development providers, science educators, and researchers. In this talk, I will illustrate some of the affordances of the Responsive Teaching in Science website by focusing on what happened in a third grade classroom as the teacher engaged her students in explorations of how toy cars move. I will show video clips from her classroom and, along with colloquium attendees, will discuss both student ideas that emerged, as well as teacher next moves. At the end of the colloquium, attendees can discuss how they see the website resource as being useful for various audiences, and also make suggestions for enhancing the value of the site.

