

# Using PhET simulations for Physical Science for Middle School

August 7, 2008

9:00am-1:00 pm at Horizon Middle School 4545 Sioux Dr., Boulder, CO, 80303

Do you want to help your students make sense of Chemistry or Physics? Interactive simulations can help students develop their ideas about chemistry and physics through life-like investigations and inquiry based lessons. The PhET project provides a free website of simulations that are designed to support student learning. We have simulations like Salts and Solubility, Gas Properties, Reactions and Rates, Moving Man and Forces 1D. This workshop will help you design effective lessons and use lessons that other teachers have shared. The PhET team has designed a set of guidelines that help teachers integrate the simulations into lessons using guided inquiry. We will help you use these guidelines to provide activities for students to construct their own understanding of chemistry ideas. In this workshop, you will learn about the research that helped establish the guidelines and the simulations, look at lessons available free on the web, and work on writing a lesson for your class.

Check out the PhET website at <http://phet.colorado.edu>



**Interactive Physics Simulations**

Fun, interactive, [research-based](#) simulations of physical phenomena from the Physics Education Technology project at the University of Colorado.

[Play with sims... >](#)

Other languages... **THE WILLIAM AND FLORA HEWLETT FOUNDATION** The William and Flora Hewlett Foundation **THE NATIONAL SCIENCE FOUNDATION** The National Science Foundation

Run our Simulations	Teacher Ideas & Activities	Contribute	Browse Sims
<ul style="list-style-type: none"><li>On Line</li><li>Full Installation</li><li>One at a Time</li></ul>	<ul style="list-style-type: none"><li>Search for lesson plans and activities that were created by teachers to use with the PhET simulations</li></ul>	<ul style="list-style-type: none"><li>Provide ideas you've used in class</li><li>Support PhET</li><li>Translate Simulations</li></ul>	<p><a href="#">Simulations &gt;&gt;</a></p>

[About PhET](#)