

1056-97-840

Rachel Levy*, 301 Platt Blvd, Claremont, CA 91711. *Soap and Slope: Exploration of gradients through hands-on experiments with surfactants (outreach module for grades 7-12).*

The purpose of this session is to share outreach activities used successfully with middle and high school students. I will demonstrate (and you can try!) activities to introduce the concept of slope (gradient) through activities with simple and inexpensive materials. We will also discuss how to tie outreach activities to discussions with students about research in applied mathematics. (Received September 17, 2009)