



Science Content 3-Day Institute June 28-30, 2010

“Inquiry and Problem-solving for the High School Physics Classroom”

NYC high school physics teachers of all levels (Regents Physics, Physics-First, Conceptual Physics, etc.) are invited to The Rockefeller University for a rare 3-day institute focusing on practical and inspiring possibilities for high school physics classrooms. This institute will empower instructors to develop conceptual, inquiry-based activities that emphasize critical thinking and mathematical problem solving skills. Teachers will work in collaborative teams to develop their own sets of activities, along with various assessment techniques, for use in the classroom. This institute will be anchored in rigorous content topic areas, including: kinematics, force equilibrium, momentum conservation, the work-energy theorem, conservation of energy, projectile motion, electrostatics, magnetism and electromagnetic induction. Jim will differentiate the experience for teachers who teach Physics at different levels, and will provide strategies for student differentiation in the classroom.

Jim Handel, Physics & Calculus Teacher and Instructional Coach, Millennium High School
Jim has 16 years of classroom experience, all in NYC public school settings. He has designed curricula for and taught middle school science, high school chemistry and Calculus. In addition, he has constructed courses that integrate physics and pre-calculus, integrate physics and technology in a laboratory setting, and prepare advanced students for the Regents Physics exam. His own instruction emphasizes hands-on, inquiry-based laboratory experiences combined with mathematical skills and understandings. Jim has served as a mathematics coach for middle and high school teachers, a grade team leader, a professional development provider, and a summer physics and chemistry tutor for Brookhaven National Laboratory's Upward Bound program.

***Enrollment Deadline: April 23, 2010
Space Is Limited ~ Apply Today***



The Details...

- Location: The Rockefeller University campus at 66th and York Ave. in Manhattan. Directions, building locations, and maps will be provided upon enrollment.
- The NYCDOE is sponsoring this event, so participation is free
- Daily Timeframe: 8:30 am – 3:00 pm
- Teachers must participate all 3 days; No sub coverage will be provided on June 28; Teachers will receive payment at the trainee rate for 12 hours
- Teachers must secure permission and make arrangements to be absent on June 28, the last day of school
- Rockefeller University provides a wide array of breakfast and lunch choices meeting a variety of dietary needs. Breakfast and a hearty lunch are provided.

Enrollment Form for 3-Day Institute: High School Physics

June 28-30, 2010

Do us a big favor: write legibly and darkly!!

Name: _____

Email Address (the one you check, and attachment-friendly):

Contact Phone Number: _____

School: _____

Grade Levels Taught in 2009-2010: _____

Subjects/School Roles in 2009-2010: _____

Grade Levels to Teach in 2010-2011 (projected): _____

Subjects/School Roles in 2010-2011 (projected): _____

FAX one (1) enrollment form per educator to 1-866-402-7543

OR

Scan and email to Catherine@educhange.com

Secondary fax number: 646-613-8444