

PWISTA Summer 08 Institute

Methods of Teaching Physics 2008

Presented by

Veteran Retired AP Physics, Honors Physics, and Regents Physics Instructor, Ossining High School, Ossining , NY

During this one-week workshop participants will be actively involved in preparing lessons for the following school year. All topics from the new state syllabus will be covered. Each day will be divided into 4 distinct sessions.

Demonstrations – The instructor will share his favorite demonstrations that are guaranteed to generate interest and enthusiasm in all students. At the end of the week, all experienced teachers will be asked to share one demonstration that they use and have found to be most successful.

The Web – Interesting web sites will be explored and shared among the participants. The teachers will learn how to use the Internet to find and use Physics applets in the classroom. All teachers will compile a list of tested simulations and interactive labs, which can be used free on the Internet.

Labs – Each afternoon will be devoted to lab activities. Participants will perform labs using Jell-O and two by fours on the low tech end of the spectrum and a full range of PASCO equipment at the nearly state of the art end. The Ossining HS physics

classroom has 12 computers each with a computer interface and a set of sensors. The labs are designed to have students use real life experiences and science inquiry skills to solve open-ended questions. Teachers will write up one lab activity and share it with the class by the end of the week.

Teaching strategies and tips – This part of the daily ritual will include but not be limited to videos, homework, projects, worksheets, tests, PowerPoint presentations, objectives, dry erase boards, ordering equipment and supplies, magic, and cartoons.

Whether this is your first year teaching, or you are an experienced science teacher planning on getting certified in a second area, or you are an experienced physics teacher looking for a few new tricks to liven up your lessons, this is the workshop for you.

Date: July 7th – July 10th, 2008, Time: 8:30 AM-4:00 PM

Cost: \$595.00 (includes Breakfast and Lunch)

Place: : Science Wing, Ossining High School, 29 South Highland Avenue, Ossining , New York

For additional information and online registration visit: <http://www.pwista.com/calendar.htm>

Credit: A 30-hour certificate toward in-service credit will be issued for use according to your school district's policy.

For college credit information contact: Dr. Peter Corfield, 914-251-6675

Detach and Mail with Payment

Name: _____ Home Phone: _____

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District/School: _____ Course Title : Methods of Teaching Physics 2008, July 7th-
July 10th, 2008

Please make checks payable to PWISTA and mail to:

Putnam-Westchester Industry & Science Teacher Alliance, 67 Fassitt Drive, Mahopac, NY 10541