2012 AP Summer Institute Physics Syllabus
July 23 –26, 2012

Institute Overview
Welcome to AP Physics! Whether you are a new teacher 'out of the gate' or 'veteran of the trenches, this week will provide proven time-management techniques, laboratory ideas, successful teaching strategies, instructor materials, and (lots and lots of) AP test prep methods that should prove handy (if not invaluable) to both your personal workload and to student learning.

Consultant Background
Stephen Schuh taught physics for Purdue & Indiana University (both as a teaching assistant and as a faculty member) before spending the past 12 years teaching AP Physics B & C for the Indiana Academy for Science, Mathematics, and Humanities while continuing to serve as an adjunct professor for Ball State University. He has been a pre-AP vertical team leader, has led several traveling physics 'road-shows', and has won several meritorious teaching awards. To date, he has over 2000 hours studio time teaching physics to state-wide, national and international audiences. Stephen has also been teaching week-long AP Physics workshops since 2001 and has been facilitating one-day workshops as a College Board AP Consultant since 2006.

Contact Information
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Institute Preparation
• Participants are strongly encouraged to bring a favorite lab idea, demonstration, and/or pet-lecture to the workshop. It doesn't matter how small or “insignificant” they appear - you'd be surprised at how many “simple” ideas haven't been thought of by the rest of us!
• Participants are also strongly encouraged to contact the instructor (information below) with information regarding your experience level and what you hope to pull from this workshop. There are many more topics/ideas that can be covered in a week, and the instructor would love to be able to custom-build this workshop for you.

Institute Schedule
Below is a very holistic (and tentative) schedule for our daily activities. The particulars of what is covered will be primarily dictated by requests from participants (see Institute Preparation above), and by expressed interests/concerns during our introduction.

Day 1

Introductions and Participant Concerns
Recursive Learning Techniques
AP Testing I
Lab Ideas I

Day 2

Narrative Learning Techniques
Special/Requested Topics
AP Testing II
Lab Ideas II
Test Problems & Rubrics I
AP Problem Construction I
Special/Requested Topics

Day 3

Test Problems & Rubrics II
AP Problem Construction II
AP Rubric Construction I

Time-Management
Lab Ideas III
Special/Requested Topics

Day 4

AP Rubric Construction II
Special/Requested Topics
Student Equity
Overflow

Graduate Credit Option
Participants may also earn three graduate education hours for any of the AP Summer Institutes from Washburn University for a reduced tuition rate the successful completion of an academic assignment.

Additional Information
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