

Tentative 2013/14 Schedule

Updated information will be posted to www.slapt.org and associated links throughout the year along with a link to update your email address.

August 10, 2013: Free Online Resources for Physics

Host: David Schuster
Time: 8 am to 12
Place: Webster High School
Details on other side . . .

September 7, 2013: Peter Bohaceks' Direct Measurement Videos

Host: Jim Cibulka
Time: 8:00 am to 12:00
Place: Kirkwood H.S.
Details on other side . . .

September 21, 2013: Six Flags for Teachers

Hosts: Rex Rice and Six Flags
Time: 8:00 a.m. – 12:00
Place: Six Flags St. Louis
Details on other side . . .

November 9, 2013: Resources/Content for New/Crossover Physics Teachers-Refraction

Hosts: Val Michael and Wayne Winters
Time: 8:00 a.m. – 12:00
Place: John Burroughs School

December 7, 2013: Labs for AP Physics

Host: Jen Meyer
Time: 8:00 a.m. – 12:00
Place: Parkway Central H.S.

January 25, 2014: "My Lesson"

Host: David Schuster
Time: 8:00 a.m. – 12:00
Place: Webster High School

February 22, 2014: Joint ACS/SLAPT

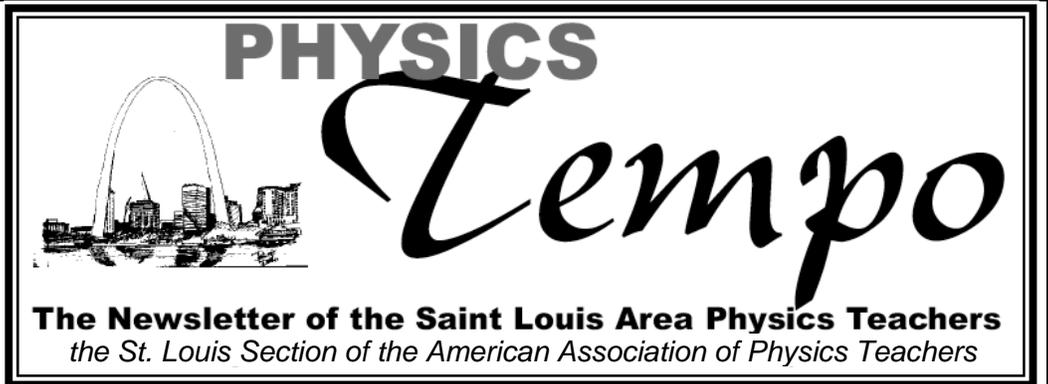
Details to be announced

March 29, 2014: Nuclear Science and Research Reactor Tour

Host: Bob Brazzle
Time: 8:30 - 5:00
Place: Field trip to Mizzou

April 26, 2014: Six Flags Physics Day

Time: 9am to 5pm
<http://www.slapt.org/resources/sixflag/index.html>

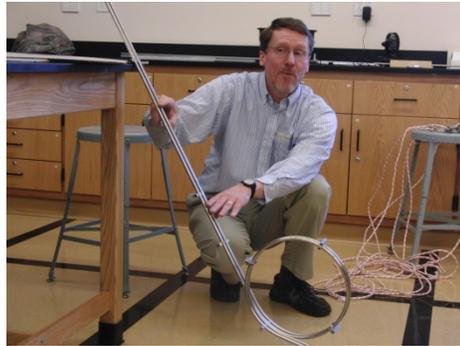


Vol. 24

Fall 2013

Join the St. Louis Area Physics Teachers!

You are invited to join the St. Louis Area Physics Teachers, a dynamic group of some of the finest teachers in the nation. We sponsor a variety of workshops, make-n'-takes, sharing sessions, and social activities that are hosted and led by teachers in the St. Louis area. SLAPT members support each other and benefit from one another's expertise in the challenging craft of physics teaching. Bob Brazzle shares his thoughts in his President's message below.



Join SLAPT by visiting www.slapt.org. Then, share your contact information under the "Mailing List" link. A few times each month, email updates are sent about upcoming events, messages from SLAPT members, and announcements about community activities of interest to physics teachers. You will also find a number of teaching resources posted at the website, including curriculum materials, labs, equipment construction directions, and complete resources for Six Flags' Physics day.

Please feel free to email any officer or workshop leader with questions. We look forward to meeting you during the coming year as we work to serve our students through exemplary instruction.

SLAPT President's Welcome

Welcome to the 2013-2014 school year! I believe that this year will be the beginning of significant changes to the entire physics program at your school. There are two reasons for this: First, the long-awaited Next Generation Science Standards (NGSS) have been released. Second, the AP Physics B course and exam is ending this year, and will be replaced by two exams (and hence two separate courses) next school year: AP Physics I and AP Physics II.

Based on what I've seen, the name of the game going forward is, "inquiry". In my opinion, the NGSS have an authentic view of scientific inquiry, much of which resides in their eight "Science and Engineering Practices". Likewise, the AP I & II series represents a significant expansion of contact time (compared with the AP B course) with the intention that concepts can be explored more deeply, often through the use of inquiry-based learning. These coming changes were ever-present in my mind during the June 1 planning meeting, and I believe we've come up with a strong portfolio of workshops to help you prepare for them. Basic information about the workshops is in the left column. For more information, and to find out how you can share your expertise, please see our website <http://www.slapt.org/>. And if you are not already on our email mailing list to get updates and reminders of the workshops, make sure you sign up by clicking "Mailing List" on our main page. I hope you take full advantage of these fabulous peer-led professional development opportunities. See you there!

Bob Brazzle, bobbrazzle@yahoo.com, President – Saint Louis Area Physics Teachers

April 2014: Annual Physics Contest
Details to be announced

May 2014: SLAPT planning meeting
for 2014-2015
Contact: SLAPT President Bob
Brazzle

2013-2014 SLAPT Officers
President..... Bob Brazzle
Past-President..... Val Michael
AAPT Section Rep..... Gary Taylor
Treasurer..... Gene Bender
Website..... Mike Johns



Opening Workshops Fall 2013

Sharing Links: Free Online Resources for the Physics Classroom

When: August 10, 2013, 8:00 a.m. to 12:00

Where: Webster HS

David Schuster will present a bevy of free online resources which you can immediately incorporate into your curriculum. You can bring your own computer if you prefer, or use one of Webster's. If you have ideas, or favorite online resources, please send them to David ASAP at schuster.david@wgmail.org.

Peter Bohacek's Direct Measurement Videos

When: September 7, 2013, 8:00 a.m. – 12:00

Where: Kirkwood High School

Jim Cibulka will present an open-ended method he has been using, in which data are directly obtained from video clips without special software. Attendees will have time to work on making their own videos using Kirkwood's high speed (240fps), IR camera, and other specialized equipment.

Presenter: Jim Cibulka jacibulka@gmail.com

Six Flags Events Continue for September 2013 and April 2014!



Mark your calendars now for our 2013 Teacher Workshop at Six Flags on Saturday, September 21, and for Physics Day 2014, scheduled for April 25.

Six Flags has supported SLAPT's development of a comprehensive educational component for Physics Day and has made Physics Day separate from Math and Science Day, giving students more time on the rides and reducing lines. To learn more about how to include amusement park physics into your classroom, join us (and bring a guest) for a free workshop at Six Flags on September 21 at 8am. We'll begin with a behind-the-scenes tour of the engineering that makes the rides work. Next, we'll provide an overview of the resources available to use with students in preparation for Physics Day and to use at Physics Day. Finally, we'll strap on our wireless data collection devices and ride, ride, ride!

RSVP to Michelle Westerman, mwesterman@sftp.com with "Physics Workshop" in the subject line and you and your guest's name in the body of the note. Additional Six Flags Physics day curriculum materials and information can be obtained at:

<http://www.slapt.org/resources/sixflags/index.html>



St. Louis Area Physics Teachers
The St. Louis Section of the American Association of Physics Teachers
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