

## Tentative 2010/11 Schedule

Updated information will be posted to [www.slapt.org](http://www.slapt.org) and associated links throughout the year along with a link to update your email and other info.

### August 28, 2010: Refresher Physics/New Teachers – Part 1

Host: Valerie Michael  
Time: 8:00 am to 3:30 pm  
Place: John Burroughs  
*Details on other side . . .*

### September 11, 2010: Refresher Physics/New Teachers – Part 2

Host: Valerie Michael  
Time: 8:00 am to 3:30 pm  
Place: Washington University  
*Details on other side . . .*

### October 9, 2010: Six Flags for Teachers

Hosts: Bill Brinkhorst, Rex Rice  
Time: 9:30 a.m. – 12:00  
Place: Six Flags St. Louis  
*Details on other side . . .*  
*Curriculum materials at [www.slapt.org](http://www.slapt.org)*

### November 13, 2010: Video Analysis Workshop

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

### December 2010: Vernier Workshop

Host: Gary Taylor  
Date/Time: To be announced  
Place: Francis Howell H.S.

### January 15, 2011: The Physics of Waves

Host: Jim Cibulka  
Time: 8:00 a.m. – 12:00  
Place: Kirkwood H.S.

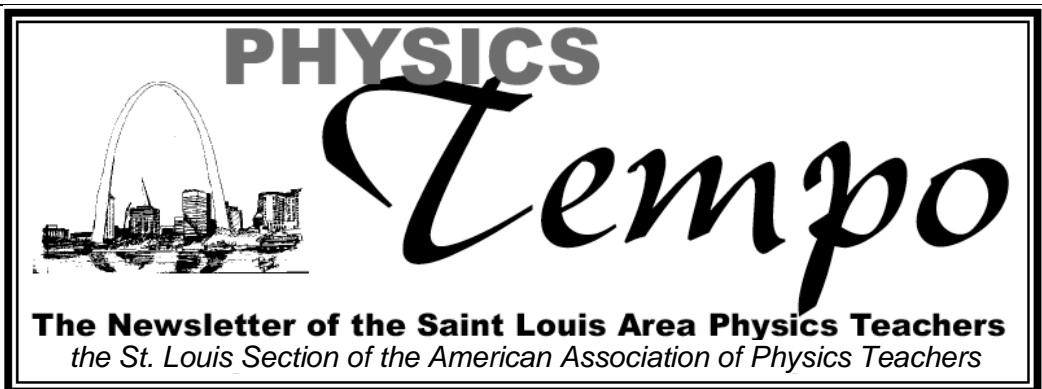
### February 12, 2011: PVC Musical Instruments

Hosts: Bob B and Jennifer Meyer  
Time: 8:00 a.m. – 12:00  
Place: Parkway Central H.S.

### March or Feb 2011: Thermo with Chemistry

Host: Hal Harris [hharris@umsl.edu](mailto:hharris@umsl.edu)  
Time: TBD  
Place: TBD

April 16, 2011: Follow the Grid Field Trip. Ameren led  
Details to be announced



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Fall 2010

## 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<sup>2</sup>-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. Parkway Central's Jen Meyer shares how SLAPT has shaped her teaching in her President's message below.

Join SLAPT for free by visiting [www.slapt.org](http://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 e-mail any officer or workshop leader with questions. We look forward to meeting you during the coming year as we work to serve our students exemplary instruction.

## SLAPT President's Welcome

I would like to welcome you to the St. Louis Area Physics Teachers' Association and to an exciting year for the organization. Please check out the exciting workshops and activities that we have planned for teachers and prospective teachers, which include two workshops funded by a grant from AAPT, make-and-takes, and a Six Flags physics workshop. The workshops are conducted by area physics teachers and are practical and useful for physics teachers. I learn something new every time I attend a meeting. They all prove to contain many learning experiences and allow for collaboration with other physics teachers.

We have made some changes to the website – [www.slapt.org](http://www.slapt.org) - in an attempt to utilize ever-changing technology. I think that you will like what you find when you explore! The website is the main conduit for information throughout the year and will update the once a year, printed newsletter.

I look forward to seeing you at SLAPT workshops this year!

Jen Meyer

Jennifer Meyer, [jmeyer3@pkwy.k12.mo.us](mailto:jmeyer3@pkwy.k12.mo.us), President – Saint Louis Area Physics Teachers

**April 2011: Annual Physics Contest**

Details to be announced

**April 29, 2011: Six Flags Physics Day**

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

**May 2011: SLAPT planning meeting for 2011-12**

Contact: SLAPT president Jennifer Meyer

**July 30 – Aug 3, 2011: National AAPT Summer Meeting**

Place: Omaha, NE  
<http://www.aapt.org>

**2010-2011 SLAPT Officers**

President..... Jennifer Meyer  
Pres-Elect..... Gary Taylor  
Past-President..... Gail Haynes  
AAPT Section Rep..... Gary Taylor  
Treasurer..... Gene Bender  
Website..... Mike Johns



**Opening Workshops Fall 2010**

**Refresher Physics/New Teachers Workshops I and II**

When: August 28, and September 11, 2010, 8:00 am to 3:30 pm

Host: Valerie Michael vlfmich@gmail.com

Place: Aug 28: John Burroughs; Sept. 11: Washington University

The SLAPT and the Missouri Association of Physics Teachers have received a grant to run two free six hour workshops at the beginning of the school year. The workshops will be a walk through activities for the first year of physics in a physical science class, a Physics First class or an upper level general physics class. We are looking for folks who are new to the teaching of physics, are crossover teachers, need a refresher, or would enjoy quality professional development to start the year. In the workshop we will perform labs, discuss the opening of school, look at rubrics for lab work, practice modeling discourse, do simple make-n-takes, apply learning cycles, answer questions, search applicable websites, check state standards, and try a practicum. The thrust of the workshops will be low tech and relatively inexpensive lab equipment. Due to the amount of materials that will be given away, a refundable \$100 deposit will be required. I will refund the entire \$100 at the conclusion of the second workshop. If something comes up and you cannot attend you may certainly send a substitute. **THESE WORKSHOPS ARE FILLING FAST**, so send your sign up email soon, even if just to ensure a spot on the waiting list. Contact Valerie Michael at vlfmich@gmail.com. Phone: 636-458-9498

**Six Flags Events Continue for October and April!**

Mark your calendars now for our October 9 teacher workshop at Six Flags, and Physics Day 2011, scheduled for April 29. The staff at Six Flags St. Louis received recognition from their corporate office for their exemplary promotion and management of Physics Day, so the two events are always a must attend. 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 October 9. 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. (You'll also get a CD of the materials.) Finally, we'll strap on our wireless data collection devices and ride, ride, ride!

RSVP to Leanne Creek, [LCreek@sftp.com](mailto:LCreek@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*

*c/o Gene Bender, DeSmet Jesuit High School  
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