

Tentative 2012/13 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 25, 2012: PTRA Workshop – Newtonian TIPERS

Host: Val Michael

Time: 7:30 am to 12:30 pm

Place: J. Burroughs School

Details on other side . . .

September 22, 2012: Newton's Second Law

Host: Bob Brazzle

Time: 8:00 am to 11:00

Place: Rockwood Summit H.S.

October 6, 2012: Six Flags for Teachers

Hosts: Rex Rice and Six Flags

Time: 9:00 a.m. – 12:00

Place: Six Flags St. Louis

Details on other side . . .

October 19, 2012: Role of toys in Teaching of Physics

Host: Val Michael

Time: 8:00 a.m. – 12:00

Place: John Burroughs School

November 3, 2012: Energy II/Make N Take

Host: Rex Rice, Gary Taylor, Lee Johnson

Time: 8:00 a.m. – 12:00

Place: Clayton H.S.

Nov/Dec, 2012: VPython

Host: Jen Meyer, Ryan King

Time: 8:00 a.m. - 12:00

Place: Parkway Central

January 26, 2013: "My Lesson"

Host: Jim Cibulka

Time: 8:00 a.m. – 12:00

Place: Clayton High School

February 2013: Joint ACS/SLAPT

Details to be announced

March 9, 2013: Astronomy: CLEA

Host: Frank Cange

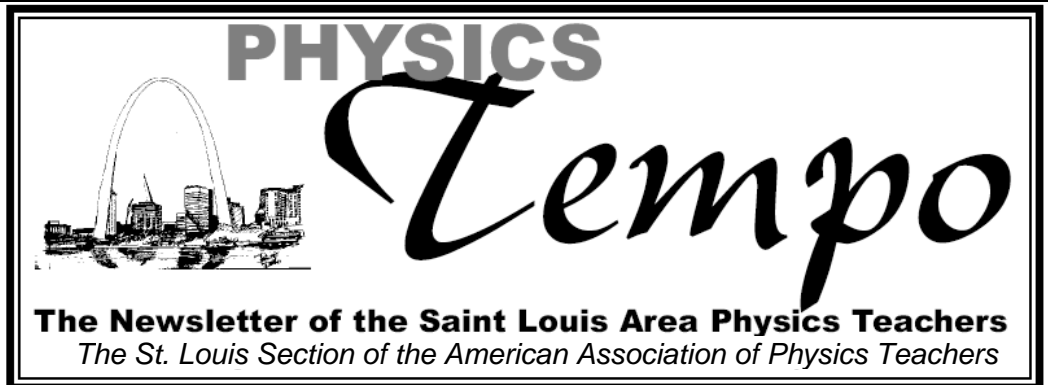
Time: 8:00 - 11:30

Place: Southwestern IL J.C.

April 26, 2013: Six Flags Physics Day

Time: 9am to 5pm

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



Vol. 23

Fall 2012

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. Val Michael shares her thoughts in her President's message below.



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

Teachers have soooo much to do! The amount of paper work alone has increased astronomically in the past few years. Districts offer time to write curriculum and ask a teacher to deeply reflect on their practice in their classrooms, but few physics teachers have the sounding board of other physics teachers to vet their ideas and share best practices. The SLAPT offers you the opportunity to have this interaction by learning new content, trying out new labs, practicing methods that improve student understanding, and sharing your experiences with other teachers just like yourself. There is a wide variety in our group who will offer you support as well as help you to rekindle and sustain enthusiasm for the art of teaching. Check out this year's offerings both on the left and at our website, www.slapt.org. You will find more materials at the website including practicums, links, and make and take instructions. Finally, would you think about sharing your expertise with us? Young or old, experienced or not, you all can bring new ideas, experiences and differing education to the group. We are looking for two more people to fill out our "My Lesson" workshop on January 26 with a lesson, activity, lab, or group interaction that has worked well in their class. This is a great way to give back to the group. Our group is supportive of all efforts. See you soon and have the best of years.

Val Michael

Val Michael, vmichael@jburroughs.org, President – Saint Louis Area Physics Teachers

April 2013: Annual Physics Contest
Details to be announced

May 18, 2013: SLAPT planning meeting for 2013-2014
Contact: SLAPT President Val Michael or President Elect Bob Brazzle

2012-2013 SLAPT Officers

President..... Val Michael
President Elect.....Bob Brazzle
Past-President..... Gary Taylor
AAPT Section Rep.....Gary Taylor
Treasurer.....Gene Bender
Website.....Mike Johns



Opening Workshops Fall 2013

PTRA Workshop using Newtonian TIPERS to Teach Physics

When: August 25, 2013, 7:30 am to 12:30

Fee: \$30 to PTRA continuation fund but you will receive the new N-TIPERS book for free

What do kids know and how do you, the teacher, get at the information. As you are teaching a unit or a concept set or a mental model, how do you check kids' understanding so that your teaching can intervene and create greater depth of understanding? I have struggled with these types of questions my whole teaching career. I have found that Ranking Tasks and TIPERS perform a huge role in my teaching practice. We are limited by the number of books that will be sent; so please email me to get your name on the list of participants at vmichael@jburrroughs.org

Newton's 2nd Law Experiential Trio and NBC Portfolio

When: September 22, 2013, 8:00 – 11:00 am

Three Mechanics kinesthetic activities will be presented where students construct an experiential understanding of Newton's Second Law of Motion. Out of necessity, these activities have been developed using easily obtained equipment (bowling balls, bathroom scales and a metronome). For the culminating activity, students push a car to determine its inertial mass. All participants will receive a free CD with the supporting lessons and info. The National Board Certification process will also be discussed. Presenter: Bob Brazzle bobbrazzle@yahoo.com

Six Flags Events Continue for October and April!



Mark your calendars now for our 2013 Teacher Workshop at Six Flags on Saturday, October 6, and for Physics Day 2013, scheduled for April 26.

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 6 at 9am. 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 Leanne Creek, 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 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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