What’s V?

A monthly newsletter for physics teachers in LA and Orange Counties

Upcoming Events

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<tr>
<th>Date</th>
<th>Event Details</th>
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| Feb 9  | SC AAPT New Physics Teacher Workshop  
Location: Santa Monica College  
Topic: Waves  
A great workshop for new physics teachers (or those relatively new to physics) run by the SC AAPT. Includes lunch and parking. Contact James Lincoln for more information: lincolnpbhs@gmail.com |
| Feb 14 | PhysTEC Demo-Day  
Location: CSULB PH2-122  
(Note: New Room)  
Time: 4:30 – 5:30 PM  
Topic: Electricity & Magnetism  
Contact: Michael Tran at michael.tran@csulb.edu to RSVP and request parking before 2/5. |
| March 2 | PhysTEC Open House  
Location: CSULB HSCI  
Time: 8:30 AM – 12:30 PM  
Topics: Research from Dr. Andreas Bill and hands on activities for all students and teachers! Don’t miss this! Contact: Michael Tran at michael.tran@csulb.edu to RSVP. |
| March 14 | PhysTEC Demo-Day  
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Topic: Electricity & Magnetism  
Contact: Michael Tran at michael.tran@csulb.edu to RSVP and request parking before 3/11. |

Check out more upcoming events at www.physicsatthebeach.com

PhysTEC Demo Days

The second Thursday of every month is a chance to collaborate with other physics teachers and share your favorite fun demonstrations and activities. Each month focuses on a different topic. This month, Feb 14, the topic will be Electricity & Magnetism. (Because E & M covers so much material, it will also be the topic of next month’s Demo Day as well.)

Last month we explored Waves. Demos included: refraction of light, polarization, a kazoo(!), resonance, interference and many more.

We hope to see you at 4:30 on Feb 14 in Room PH2-122. Note that this is a different room from last semester’s Demo Days. Free (and close!) parking is provided and so is food!

PhysTEC Open House – March 2

CSULB’s Physics Spring Open House will be held Saturday March 2 from 8:30 – 12:30. A research presentation from Dr. Andreas Bill, brunch, hands-on activities and a chance to interact with all levels of the physics community: high school students and teachers, college students, graduate students and college faculty. Invite students who may be interested in studying physics, so they can experience Physics at the Beach! Go to www.physicsatthebeach.com for more information.

Just for Fun! Physics Valentines Cards

Dean Baird, who created some of the recruiting flyers mentioned in last month’s newsletter, has also created a set of 24 very humorous and educational Physics Valentine’s Day cards. (9 samples are shown on the back of this newsletter.) Each of the scientist valentines contains a clever line that incorporates the work of that scientist. The cards include 6 female scientists.

I run copies of these on card stock for all of my classes and cut them out. Before class on Valentine’s Day, I put one card on each student’s desk. After all the laughs about how geeky this all is, I have students read the saying on their card and I show the picture to the class and they try to guess who it is. Then we briefly discuss their major contribution to science and try to explain the valentine greeting. It just takes a few minutes, but it reminds them of some fundamental ideas and also introduces some topics that we haven’t covered yet.

Present a Workshop at the CSTA Conference!

Who? You…that’s who! The CSTA California Science Education Conference will be in Palm Springs this fall, Oct 25-27. Every year they need more Physics workshops! A proposal for a Physics workshop would have an excellent chance of being accepted just because there are so few good Physics workshop proposals submitted. Rick Pomeroy, CSTA President, analyzed the data on all the proposals for last fall’s conference. While there were 42 proposals for Earth/Space Science, 25 for Environmental, 75 for multidisciplines, 31 for Physical Science, 16 for Chemistry, there were only 9 proposals for Physics workshops.

So if you have a great idea, something unique you do with your classes, some unit/project/topic you are passionate about, share it with your colleagues at the CSTA conference. You can even co-present with another teacher. Your fellow Physics teachers will greatly appreciate having more choices of physics workshops!

As an added incentive, if your proposal is accepted, you receive a complimentary conference registration. The deadline for proposals is March 4. Information on how to submit a proposal can be found here: http://www.cascience.org/csta/conf_wsprop.asp

If you have any questions or would like to contribute to this newsletter, please contact me at dwyer_k@auhsd.us or visit the website www.physicsatthebeach.com
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**you send me**

into a very excited state

**My temperature goes off the scale when you’re nearby**

**NEVERTHELESS**

the Earth moves... whenever we’re together

**I have absolutely zero reservations about wanting you to be mine**

**I could never RESIST being your valentine**

**I love you**

to the exclusion of all others
I'M SAGAN
all my love for you!

You and I have great potential

my natural place
is to be with you

you bring harmony
to my worlds

Nobody makes me glow quite like you

Quantized continuos energy may be for you but my love

it’s strong enough to bend the light

my whole world

is to be with you

Sparks fly

Let's make

Aristotle

Nicolaus Copernicus

Max Planck

Albert Einstein