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Date: Sat, 16 May 2015 17:05:13 -1000

From: Jeanine Nakakura <nakakuraj033@hawaii.rr.com>

To: Michael Jones <mdj@phys.hawaii.edu>

Subject: Fwd: Hands-on Physics Workshop

Mike:

Can you forward this to the AAPT-Hawaii list?  Thanks!

Jeanine : )

Begin forwarded message:

     From: Bryan Terauchi <bryan1@hawaii.rr.com>

Date: March 12, 2015 5:20:35 PM HST

Subject: Hands-on Physics Workshop

Hello, let me introduce myself; I am Bryan Terauchi, Physics

instructor at Aiea HS. For several reasons I have been motivated to

put on a workshop at my school to help promote "hands-on skill

activities & labs" in Physics. One reason is because I have been

teaching 28.5 years, and will be retiring in two years, and wanted to

"share" things I have used over those years.  Due to renovations &

asbestos removal on Aiea's campus, my room will not be available until

school opens in the fall; so I am targeting four Saturdays in August,

the 8th, 15th, 22nd, and 29th.  Exact times to be determined later.

Due to very limited funding I will be running this like my normal(down

to Earth) curriculum, concepts, history, discussion, then hands-on

activities, where you actually do the labs and demos, and hopefully

take it back to your classrooms.  Please share this announcement with

the Physics instructor on your campus, and please email me with any

questions, and a head count if you are interested.  Sorry to say there

is no chance of earning PD credits, this would be on "your" time and

with no sort of financial gain or fee.

Topics/Labs

1. scientific methods/lab techniques

2. speed/velocity/acceleration

3. projectile motion

4. momentum/impulse

5. collisions

6. conservation of energy

7. Simple Harmonics, springs, pendulums

8. circular motion/ centripetal forces

9. Astronomy/ Kepler's Laws

10. Elliptical orbits/ plotting the Orbit of Mars

11. magnetic fields

12. electromagnetism/electrostatics

13. building a speaker

14. electric circuits

15. optical lenses and mirrors

I've often said that Physics is Phun, and meant it.  Please have your

Physics instructor join in. Thank you!