



New Physics Teacher Workshop



Are you new to teaching physics? Working toward your physics teacher certification? The WNY Region of the New York State Master Teacher Program in collaboration with the SUNY Buffalo State Physics Department and Western New York Physics Teacher Alliance is offering two workshops for new physics teachers this summer!

In these two 4-day workshops you will complete NYSSLS lab activities that will enhance your physics content knowledge, prepare you to teach using the new physics standards and will be fun! You will experience effective physics classroom activities and strategies that lead to successful physics teaching.

The workshop will be led by Master Physics Teachers including Yianna Russo, Craig Uhrich, Dan Graf, and Dave Henry.

What past participants have said about these workshops:

- ☐ *"This is the most valuable thing that I've ever done for my students, myself, and my profession."*
- ☐ *"The instructors gave and gave and gave! Great material, advice, guidance, and more. They are truly professionals!"*
- ☐ *"This was the single most important course I attended during my early years as a science teacher, and it was by far the most useful thing I've ever attended for my physics teaching practice."*

Workshop 1: Mechanics and Energy

Mon-Thurs, July 27-30, 8:00-5:00

This workshop will include labs such as Modeling Pendulum Motion, Graphical Analysis of Motion, Modeling Newton's Laws, Impulse and Conservation of Momentum, Conservation of Energy and the NYS Thermal Tails Investigation. Physics Olympics and making classroom ready materials will be included throughout the week and in optional Friday sessions.

Workshop 2: Electricity and Waves

Mon-Thurs, Aug 3-6, 8:00-5:00

This workshop will include labs such as Mapping Electric Potential, Series and Parallel Circuits, NYS Wheels to Watts Investigation, Speed of Sound, ray diagrams and optics, diffraction and wavelength of light.

Physics Olympics and making classroom-ready materials will be included throughout both workshops including optional Friday sessions.

[Register here!](#)

Graduate physics credits (4 credits) are available through Buffalo State University for those completing both workshops and required coursework.

Questions? Please contact the Dave Henry, henryd@buffalostate.edu



PHYSICS DEPARTMENT

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