

Physics Department
SUNY – Buffalo State College

April 9, 2016

This letter is to confirm that Brad Gearhart completed three hours of Professional Development for NY Physics Teachers here at *SUNY-Buffalo State College* on this date as part of our monthly *Western New York Physics Teachers' Alliance (WNYPTA)* meeting. The meeting was carried out under the guidance of faculty of the SUNY- Buffalo State College Department of Physics.

This meeting included presentations and activities devoted to:

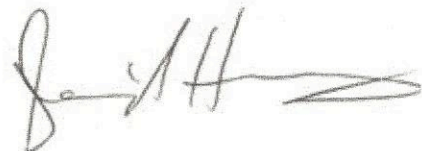
- Contributed ideas and professional news related to physics teaching in NY state.
- Brief presentations of electronic resources for physics teaching, particularly a particle collision simulator using magnetic marbles by Orlando Buria of W Seneca Christian.
- A lengthy session on strategies for teaching physics (mechanics and electrostatics) led by Brad Gearhart of Buffalo Public Schools.
- A presentation led by Dr. Elena Brewer of Erie County Community College Electrical Engineering on remote Scanning Electron Microscopy (SEM).
- A presentation on using hot dogs for demonstrating series and parallel circuits led by Dan Graf of Lancaster Schools.
- A presentation using a new board game called The Quark Game for teaching NYSED Regents modern physics led by Jeff Radzyminski of Letchworth HS.
- Three brief make and take sessions on making The Quark Game led by Jeff, making electric hot dog cookers led by Dan and a three color LED color addition demonstrator for color vision led by Dan MacIsaac of Buffalo State Physics.

The National Science Foundation ISEP and Noyce grants at Buffalo State paid for all materials, and the NYS Master Teacher Fellows program paid for refreshments.

Sincerely,



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