

Attention teachers of Physics and Chemistry

Join Our Two-Week Modeling Workshops in Philadelphia

June 17- June 28, 2024



Why Modeling Instruction?

Modeling is an effective approach to instruction in Science, Technology, Engineering and Mathematics (STEM) courses, and has been designated as an exemplary program by the U.S. Department of Education. Modeling Instruction offers:

- **Student-Centered Learning:** Shift from traditional lectures to a focus on active student engagement.
- **Improved Understanding:** Foster a deeper comprehension of scientific principles through model-building and interactive discussions.
- **Enhanced Performance:** Witness significant improvements in student achievement and interest in STEM subjects.

Workshops Offered:

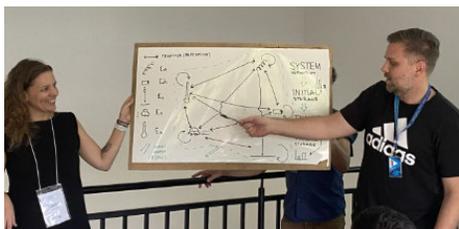
Chemistry 1:

This workshop emphasizes methods for helping students to learn concepts in chemistry from the perspective of systematically developed particle models for matter. The course incorporates up-to-date results of chemistry education research, best practice curriculum materials, use of technology, and experience in collaborative learning and guided inquiry. Instructional strategies include a coherent approach to the role of energy in physical and chemical change.



Physics First:

This workshop is a Methods of Physics Teaching course that thoroughly addresses most aspects of high school physics teaching, including the integration of teaching methods with course content, as it should be done in the high school classroom. The workshop incorporates up-to-date results of physics education research, best practice high school curriculum materials, use of technology, and experience in collaborative learning and guided inquiry.



Workshop Details and Registration

Chemistry 1



Dates: June 17th – 28th, 2024

Location: St. Joseph's Preparatory School
1733 W. Girard Ave.
Philadelphia, PA 19130

Time: 8:00 – 4:00 PM daily

Physics First



modelinginstruction.org/chemistry-philadelphia-pa

modelinginstruction.org/physics-first-philadelphia-pa

Cost: \$1200 (includes lunch, teaching materials, and a certificate of completion)

Apartment-style housing is available at an additional cost.

For additional info: ✉ stemteachersphilly@gmail.com

🌐 www.modelinginstruction.org