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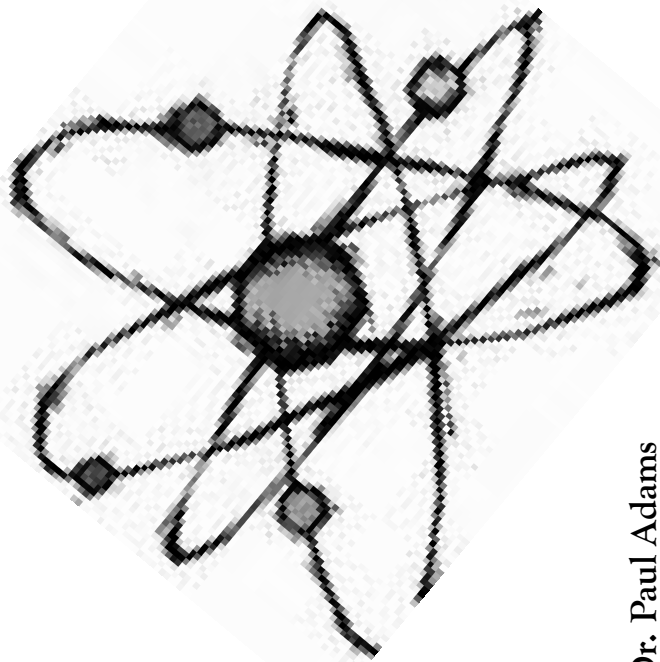
See improved results on annual state assessments



Learn scientific modeling to improve science instruction in your school district



Discover ways to increase student achievement with meaningful learning activities



Dr. Paul Adams
Fort Hays State University
600 Park Street
Hays, KS 67601

Modeling Instruction
Institute
MI²

Modeling Workshop

July 6-23, 2009



Fort Hays State University



Emporia State University



FORT HAYS STATE
UNIVERSITY

EMPORIA STATE
UNIVERSITY™

Modeling Instruction Institute MI²

Secondary Science Workshop

July 6-23, 2009

Fort Hays State University and Emporia State University will offer a three-week workshop for high school physical science teachers.

The workshop, Modeling Instruction Institute (MI²), supported by an Improving Teacher Quality Partnership grant administered by the Kansas Board of Regents, convenes concurrent sessions at the ESU and FHSU sites.

The focus of the first year of this three-year project will be physics at FHSU and chemistry at ESU. Teams of teachers as well as individual teachers are encouraged to apply.

● WORKSHOP GOALS

At this workshop, you will:

- Improve instructional pedagogy by implementing research-based instructional strategies, inquiry methods, critical and creative thinking, cooperative learning, use of standardized evaluation instruments, and effective use of classroom technology in instruction.
- Deepen content understanding in physics (FHSU) and chemistry (ESU) by using multiple representational tools to constructing scientific models in these disciplines.
- Learn effective pedagogical strategies from veteran educators who model these strategies throughout the workshop.
- Participate in an on-going collaboration among the partners through a state-wide professional learning community of in-service teachers.
- Enhance/improve science curriculum in your school district.

● WHY MODELING INSTRUCTION?

Extensive research support the effectiveness of the Modeling approach in enhancing student learning. *By comparison to traditional instruction, under modeling instruction high school students average about 1.5 standard deviations higher on standard instruments for assessing conceptual understanding of physics.*

Support for Participants:

- Technology package for your classroom
- Scholarship towards three hours graduate credit
- A daily stipend
- Free housing
- Free parking
- Funds to attend KATS Kamp 2010 and/or NSTA 2010
- Academic year support

For more information contact:

Paul Adams
padams@fhsu.edu
(785)628-4538

or

Earl Legleiter
elegleiter@hotmail.com
(720) 482-8695