

# Physical Science by Inquiry

<b>Dates:</b>	July 11-29, 2011
<b>Location:</b>	Department of Physics, Hillsdale College
<b>Contact Hours:</b>	90
<b>Instructors:</b>	Dr. Kenneth Hayes, Dr. Cyrill Slezak
<b>Cost:</b>	\$85 registration fee which will be returned upon completion of the program
<b>Credit:</b>	9 SB-CEUs
<b>Stipend:</b>	Tuition waiver, \$100+ in course materials and equipment upon completion of the course
<b>Graduate Credit:</b>	3 or 6 graduate credits offered alternatively. Contact us for details.
<b>Learn:</b>	Inquiry-based instruction, content knowledge, alternative assessment methods, scientific reasoning skills, develop lessons plans
<b>Schedule:</b>	<b>Monday-Friday from 9:00 am to 3:45 pm</b>

*The Physical Science by Inquiry Program is a research-based professional development program for in-service teachers, grades K-12. The workshop is designed for all science instructors; no background in physics is necessary. Participants will work through the activity-based material and will be taught using cooperative learning groups. The goal of this course is to provide teachers with the skills necessary to implement standards in both science content and scientific process on returning to their classrooms, and thereby increase student science proficiency. Assessment methods, both traditional and alternative, emphasize reasoning rather than rote memorization. Each participant will develop an inquiry-based lesson plan to be shared with the group at the end of the course. Our workshop is based on the Physics by Inquiry curriculum developed by Dr. Lillian McDermott and the Physics Education Group at the University of Washington. This course and all required materials are provided free of charge. For further information, contact Dr. Cyrill Slezak at (517) 607-2387 or via email [cslezak@hillsdale.edu](mailto:cslezak@hillsdale.edu).*

## Faculty/Staff:

Kenneth G. Hayes, Ph.D.  
 Experimental High Energy  
 Astronomy

James J. Peters, Ph.D.  
 Experimental Solid State

Cyrill Slezak, Ph.D.  
 Theoretical/Computational Solid State  
 Physics Education

Adam Smith, Ph.D.  
 Experimental Nuclear

Judith Schellhammer  
 Lab Director

Department of Physics

Hillsdale College

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(517) 607-2390

[www.hillsdale.edu/physics](http://www.hillsdale.edu/physics)

# Application Form

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Grade Levels Taught: \_\_\_\_\_

School/District: \_\_\_\_\_

Subjects Taught: \_\_\_\_\_

Submit the application form along with the \$85 registration fee to the following address:

Dr. Cyril Slezak  
Department of Physics  
Hillsdale College  
33 East College Street  
Hillsdale, MI 49242

Applications will be considered as they are received. You will be informed of your acceptance or your status by May 16 2011. Any application received after this date will be considered on a case by case basis. No refund will be given after June 1.