



PHYSICAL SCIENCE & ENGINEERING PROFESSIONAL DEVELOPMENT WORKSHOP for K-8 TEACHERS

Choice of Two Dates: 10/25/08 or 3/28/09, 9am-2pm

Marquette University, Haggerty Engineering Building
1515 W. Wisconsin Avenue, Milwaukee

In this new professional development workshop, participants will learn how to teach hands-on lessons in physical science using engineering problem-solving activities. Participants will make bridges and towers, hovercraft, air-powered rockets, simple circuits and more. They will crash-test egg cars, explore center of gravity, and understand how satellites stay in orbit. In addition, teachers will explore the Science and Math of Aerspace, make and take Math manipulative puzzles, and develop Math and Science Inquiry Problem-Solving activities.

INSTRUCTORS: Jack Samuelson, Coordinator of Engineering Outreach, Marquette University
Bob Friedel, Science Education Consultant

* Included in the workshop fee of \$100: 1) over \$50 worth of hands-on materials; 2) handouts; 3) lunch and parking.

This workshop is available for presentation in your district. For more information, contact Jack Samuelson (414-288-3517) or Bob Friedel (262-893-7344)

The mission of the Engineering Outreach Program at Marquette University is to enhance the S.T.E.M (science, technology, engineering, math) skills of the children and adults in the M7 region, and better prepare them for the challenges of competing in a global economy driven by innovation.

Outreach Team: Dr. Jon Jensen, Associate Dean for Enrollment Management 414/288-6720
Mr. Jack Samuelson, M.S., Coordinator of Engineering Outreach engineering@marquette.edu
Ms. Lori Stempski, Administrative Assistant

Physical Science & Engineering Workshop for K-8 Teachers Registration Form

Name: _____ Preferred date: 10/25/08 or 3/28/09 (circle one)
Address: _____
Phone: _____ Email: _____
School/District: _____ Grade/Subject Taught: _____

Please make check for \$100 payable to "Marquette University College of Engineering" and mail along with this form to:

Marquette University College of Engineering
Haggerty Engineering, Room 210
PO Box 1881
Milwaukee, WI 53201