



SAE encourages teachers to apply for awards

The Lloyd Reuss Award recognizes an elementary teacher or a team of teachers who have made creative and exemplary use of Challenge 1. The Gary Dickinson Award recognizes a middle school teacher or team of teachers who have used Challenge 2, 3 or 4 to further develop experience in math, science and engineering. The SAE Foundation presents to both the recipient of the elementary and middle school award a monetary gift of \$2,000.00 divided equally between the teacher and the school where the AWIM program was taught. The deadline to apply for either award is July 31st. The application is available online

<http://www.sae.org/news/awards/list/reuss>

<http://www.sae.org/news/awards/list/dickinson>

Questions should be addressed to aschoeff@sae.org



Caterpillar participates in AWIM training

AWIM staff member, Ken Francis, taught a training session focused on the Challenge 1 JetToy activity. Thirty-five Caterpillar employees from Peoria, Illinois participated along with seven teachers. These teachers represented District 150 (Peoria), District 323 (Dunlap) and District 140 (Eureka). The curriculum will be implemented into classrooms during the 2007 school year.





Salt Lake City, Utah

A *World In Motion* was exhibited during the National Science Teacher Association Conference at the Salt Palace Convention Center. The theme at the western regional conference was *Natural Bridges to Science*. NSTA conferences offer educators the best in professional development to anchor inquiry-based science into their school systems. Hands-on workshops were conducted to introduce middle school teachers to Challenges 2 and 3 thus providing incredible opportunities to enhance current teaching practices and receive free classroom materials.

The following was received from

**Kenan Ginsberg
Site Coordinator
Lee Middle School-Portland, Oregon**

Like all middle school students, mine are eager learners but often lack focus. If an activity or after school club is not interesting to them they will just stop paying attention. I have no fear of this with your Challenge 3 Glider kits. Having included the kits in both a summer camp and after school club, I can honestly say these kits lead to excited and invested learners. Your designs make it easy to isolate factors that affect flight. The students can vary a wide range of glider components to determine how each one affects flight. We have made hypotheses and subsequently test for nose cone weight, wing placement, launching force and then combinations of these variables. The simple designs have really helped my students to be excited about science.

Thanks SAE for making the various challenge kits so available to my students at HB Lee Middle School.

Dayton, Ohio

The Montgomery County Educational Service Center presented its annual *A World In Motion* workshop. Linda Hallinan, Dayton SAE member and Delphi engineer, was the main presenter and was supported by Laurie Hawkins, Weisenborn Middle School teacher and her engineer mentor, Val Dalham. Eleven teachers participated, representing 11 different school districts.

After a brief overview of the AWIM program, the connections that AWIM has to the Ohio Standards in Math and Science were discussed. Linda led demonstrations of all the Challenges. Teachers participated in the construction of the Challenge 1 Skimmer, JetToy and Challenge 3 Glider. After a demo of the Challenge 4 everyone experimented with the Electricity and Electronics.

The teachers were very excited about the program and all placed orders for the materials to use in their classrooms.

Linda Hallinan is a member of the SAE K-12 Education Committee and has always been a supporter of the AWIM program. She was instrumental in organizing the "Glider Fly-Off" competition to honor the 100th anniversary of Orville and Wilbur Wright's historic first flight, as well as the "hands-on" SOAR program during the Dayton, Ohio Airshow. Linda always encourages the teachers to call upon her if they need any assistance when receiving their materials after attending one of her workshops.

Teachers receive SAE Awards for Teaching Excellence

Cristi Jackson has been awarded the 2006 Lloyd Reuss Award for Teaching Excellence. Jackson was chosen as the 2006 Reuss Award recipient for her exemplary and creative use of the AWIM curriculum.

Jackson is an elementary teacher in the South Redford School District of Michigan. She holds a bachelor's in psychology, with an emphasis in elementary education, from the University of Northern Colorado. She is currently working on her master's in teacher development and educational studies. Besides receiving numerous teaching awards she was also nominee for 2006 Michigan Teacher of the Year.

The award, given annually since its inception in 1998, recognizes elementary teachers who have effectively implemented the SAE Foundation's *A World In Motion* (AWIM) program to further develop students' understanding of the principles of motion and the science that underlies them. It honors the work and dedication of Lloyd Reuss, former President of General Motors Corp. and former Chairman of SAE Foundation's AWIM Executive Committee.



Cristi Jackson

Nicole Trombetta, an eighth grade science teacher at Hathaway Brown School in Shaker Heights, Ohio is the recipient of the 2006 Gary Dickinson Award for Excellence in Education.

This annual award, established by the Detroit Section of SAE International, recognizes an outstanding middle school teacher for the best use of the *A World In Motion* Challenges 2, 3 or 4 curriculum to further develop students' interest in math and science. The award commemorates the life of Gary Dickinson, an automotive industry leader and long-time proponent of both SAE and the AWIM program.

Trombetta's students have been using Challenge 2 since 2004 at her independent girls' school. She redesigned her course to focus on introductory physics and engineering to promote female interest in science.

Trombetta holds a bachelor's of science from John Carroll University in Cleveland, Ohio and a master's in microbiology and immunology from Emory University in Atlanta, Georgia, along with a master's in science education from Montana State University-Bozeman.



Nicole Trombetta

**A World In Motion
workshops/conferences
scheduled for
January/February:**

AWIM Program Staff

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Manager
K-12 Education Programs

Leslie Rizzi

AWIM Business Manager

Kenneth Francis

Program Developer
K-12 Education Programs

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Program Developer
K-12 Education Programs

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Any articles/photos for consideration in future issues should be sent to:

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January 5, 2007

GM Technical Center
Warren, MI
Challenge 1 – Skimmer/JetToy
sheri.hickok@gm.com

January 8, 2007

GM
Detroit Public Schools
Challenge 1 - Skimmer
sheri.hickok@gm.com

January 10, 2007

GM
Doraville, GA
Challenge 1 – Skimmer/JetToy
sheri.hickok@gm.com

January 19, 2007

Hastings, Prince Edward Board of Education
Belleville, Ontario, Canada
Presentation
timwortca@yahoo.com

January 24, 2007

GM Janesville Assembly
Janesville, WI
Challenge 1 – Skimmer/JetToy
sheri.hickok@gm.com

January 29, 2007

Detroit Public Schools
Challenge 1 – JetToy
sheri.hickok@gm.com

January 29, 2007

GM Technical Center
Warren, MI
Challenge 1 – Skimmer/JetToy
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January 30, 2007

GM Tech Center
Warren, MI
Challenge 1- Skimmer/JetToy
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January 30, 2007

GM University
Auburn Hills, MI
Challenge1 – Skimmer/JetToy
sheri.hickok@gm.com

January 31, 2007

GM – Flint Manufacturing
Flint, MI
Challenge 1 – Skimmer & JetToy
sheri.hickok@gm.com

February 1, 2007

GM – Lansing Manufacturing
Lansing, MI
Challenge 1 – Skimmer & JetToy
sheri.hickok@gm.com

February 2, 2007

GM Technical Center
Warren, MI
Challenge 1 – Skimmer/JetToy/Steel Can
Rover
sheri.hickok@gm.com

February 7, 2007

GM Wentzville Assembly
Wentzville, MO
Challenge 1 – Skimmer/JetToy
sheri.hickok@gm.com

February 8-9, 2007

Bothell, WA
ACSI-Assoc. Christian Schools Int'l
Challenge 1 – JetToy/Skimmer/Ch 3
acsi.org/~nw
madscientists1@netscape.net

February 9, 2007

GM University
Auburn Hills, MI
Challenge 1 – Skimmer & JetToy
sheri.hickok@gm.com

February 13, 2007

GM – Parma Metal Fab
Parma, OH
Challenge 1 – Skimmer & JetToy
sheri.hickok@gm.com

February 15, 2007

GM – Retirees
Phoenix, AZ
Challenge 1 – Skimmer & JetToy
sheri.hickok@gm.com

February 19, 2007

GM Retirees
Sarasota, FL
Challenge 1 – Skimmer/JetToy
sheri.hickok@gm.com

February 21, 2007

GM - Fairfax Assembly
Kansas City, KS
Challenge 1 – Skimmer & JetToy
sheri.hickok@gm.com

February 22, 2007

6th Annual Introduce a Girl to Engineering
Argonne Labs
sstevenson@nlsd122.org

February 22, 2007

Allison Transmission
Indianapolis, IN
Challenge 1- Skimmer & JetToy
sheri.hickok@gm.com

February 28, 2007

GM Wilmington Assembly
Wilmington, DE
Challenge 1 – Skimmer/JetToy
sheri.hickok@gm.com

To make a contribution to the SAE Foundation, visit their website at
<http://www.sae.org/foundation>.