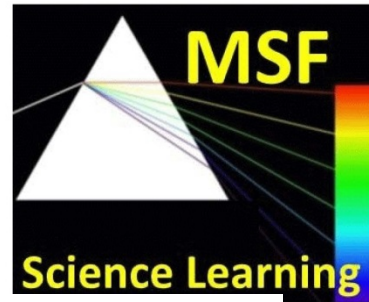


The First Annual NISMEC / Murgatroyd Science Foundation Indiana STEM Teacher Technology Awards 2016

Three Awards to provide Classroom Measuring Equipment for Indiana STEM K-12 Teachers



Northern Indiana
Science,
Mathematics and
Engineering
Collaborative



*To celebrate the 10 year anniversary of the founding of **NISMEC (the Northern Indiana Science, Mathematics and Engineering Collaborative)**, we held an annual competition open to all Indiana STEM K-12 teachers.*

1st prize: \$5000 - choice of up to 6 Labquest II, and 6 Labquest I or Labquest-mini interfaces, plus (1st) choice of NISMEC-listed Vernier probes and other listed items.

2nd prize: \$4000 - choice of up to 6 Labquest I, and 4 Labquest-mini interfaces, plus (2nd) choice of NISMEC-listed Vernier probes and other listed items.

3rd prize: \$3000 - choice of up to 4 Labquest I, up to 4 Go!Link interfaces, plus (3rd) choice of NISMEC-listed Vernier probes and other listed items.

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Winners:

Third Prize: Josie Miller

of the Western High School, Western School Corporation, Russiaville, Indiana

“When my Integrated Chemistry Physics (ICP) students discover the gas laws they use online simulations. To authenticate their experience with these laws a set of gas pressure sensors would provide the needed equipment to get reliable data. In this way they could each discover the relationship between pressure, temperature, number of particles and volume.”

2nd Prize: Lance Brand

of Delta High School, Delcom Schools, Muncie, Indiana

“The generation of students that we teach today is the first to live in a technology driven society where the Internet, iPads, digital cameras, video games, cell phones and instant messaging have created new forms of communication, entertainment, and is transforming learning. Unfortunately, my school is not exactly at the forefront in the creative uses of such technology. Our students are like the jetsons, able to access information instantaneously and communicate across time and space, but they are being schooled in a Flintstones world.”

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Winner:

1st Prize: Karen Augustyn

Of Banneker Achievement Center (6/7/8th grades), Gary CSC, Gary, Indiana

“My goal is to allow students to complete inquiry based guided science lessons using the Vernier Labquest and probes. Using the Indiana Science Standards as an outline, my objective is to introduce the Vernier technology and probeware to my students as they matriculate through my science class from grades 6 to 7 to 8. I hope to assist them in becoming independent experimenters, creative thinkers and proficient science problem solvers.”

Some specific uses of the probes will be:

Grade 6 (Earth Science): Exploring the Poles – magnetic field sensor

Grade 7 (Physical Science): Falling Objects – motion detector

Newton’s Second Law – motion detector, dual range force sensor

Grade 8 (Chemistry and Biology): Cell Respiration – CO₂ sensor, O₂ sensor

Electrolytes and Non-Electrolytes – conductivity probe

Acid – base Properties of Household Products – pH sensor