

4TH GRADE

4TH GRADE PROFESSIONAL DEVELOPMENT

ELECTRICITY, CIRCUITS & THERMAL ENERGY



DATES, LOCATIONS AND TIMES

Dates	Location	Time
June 13	Tipp City (Dayton)	1:00p - 4:00p
June 27	Wadsworth (Akron)	1:00p - 4:00p
July 11	Bowling Green	9:00a - 12:00p
July 16	Columbus	1:00p - 4:00p
August 1	Youngstown	9:00a - 12:00p
August 8	Cincinnati	9:00a - 12:00p

BENEFITS OF PARTICIPATING

- > Program and Teaching Kit **FREE** for Ohio 4th grade teachers
- > Educator curriculum and lesson plans
- > Student worksheets and assessments
- > Classroom teaching kit (\$250 value)
- > Three professional development contact hours

TEACHING KIT CONTENTS

- > Snap Circuit Junior & Energy Batons (5 sets of each)
- > Materials to complete 3 thermal energy labs including six digital thermometers and a set of melting blocks.

REGISTER NOW

Easy online registration at
www.ohioenergy.org
 For more information contact
stenney@ohioenergy.org
 or **614-785-1717**

SCIENCE LEARNING STANDARDS

- > Electric circuits require a complete loop of conducting materials through which electrical energy can be transferred.
- > Electrical energy in circuits can be transformed to other forms of energy, including light, heat, sound and motion.
- > The total amount of matter is conserved when it undergoes a change.
- > Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.

4TH GRADE



“This training changed how I teach my energy unit. The curriculum was easy to follow and I now have all the materials needed to teach each lesson. My students enjoyed the hands-on, real-world activities.”

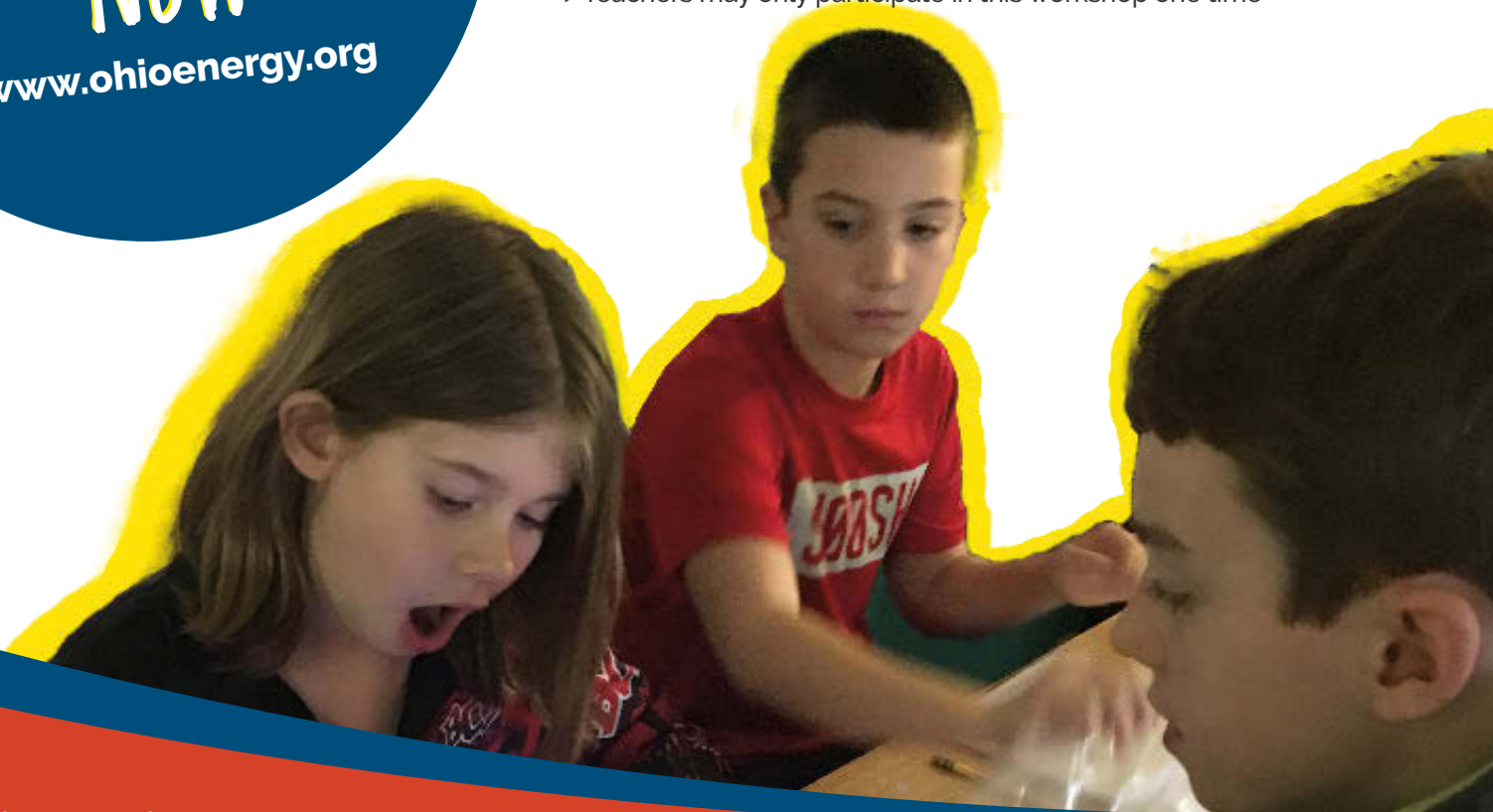
-Meg Bailey, New Lebanon Elementary School

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NOW

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ELIGIBILITY

- > Open to science teachers with a 4th grade teaching assignment for the 2018-19 school year
- > Teachers may only participate in this workshop one time



PROGRAM PARTNERS

AEP Ohio, AMP Public Power Partners, Dayton Power & Light, Ohio Development Services Agency, Vectren