

PowerSleuth



Searching for a curriculum that really energizes kids?

From the price of oil to alternative energy sources to conserving energy, today's energy topics are hot. But the conceptual aspects can leave students in the cold... unless you have a curriculum that really demystifies key energy ideas.

Ready to engage your students in real-world, inquiry-based experiences about different aspects of energy? **PowerSleuth**, a new FREE curriculum series available to teachers, engages students in lessons that follow a conceptual storyline around energy topics. Aligned to Maine and national science standards, *PowerSleuth* materials foster **energy literacy** among Maine's students through lessons that provide guided experiences, challenging and building upon **students' ideas about energy**, and actively engaging them in learning energy concepts. Whether testing the efficiency of light bulbs, exploring heat transfers, or **collecting and analyzing real-time data** from new electrical monitoring tools including "smart metering" technologies, students uncover the role of energy in their lives and ways to conserve.

PowerSleuth was developed by the Maine Mathematics and Science Alliance, Augusta, ME with funding from Efficiency Maine. For more information about *PowerSleuth* contact Lynn Farrin lfarrin@mmsa.org 207.626.3230 x 112



Maine
MATHEMATICS
and **SCIENCE** Alliance



Energy Lights Maine (Grades 4-5)

Investigate where light comes from, how people use light, simple circuitry, electrical generation, conservation and lighting technologies of the future.



Energy Heats Maine (Grades 6-7)

Investigate sources of heat, the nature of heat and thermal energy, heat transfers, and conservation of heat in the context of every day experiences.



Energy For Maine (Grades 7-8)

Explores energy use, forms of energy, energy transfers and transformations, efficiency and conservation.



Maine Saves Energy: A Guide to Student-Led Investigations Using Real-Time Electricity Monitoring

Using real-time electricity data gathered from smart meters and home monitors, students design and carry out investigations and use their findings to make recommendations for conserving.



Available online at

www.powersleuth.org

