



Project:	Content Standards / CCG's:	Essential Skills:	Available Resources:
<p>Energy Audits</p> <p>Students learn about the environmental impact of energy use and explore ways in which individuals and organizations can reduce their energy consumption. Students conduct an audit of their school, or senior citizens' homes in the community, to determine if there are ways to reduce energy use. Students present the results of their audit to the school / senior citizens.</p>	<p><u>Science/Physical Science/Energy:</u></p> <ul style="list-style-type: none"> ▪ <u>SC.08.PS.06.02:</u> Explain the principle that energy is conserved, neither created. ▪ <u>SC.HS.PS.06:</u> Describe and analyze examples of conservation of energy. <p><u>Science/Earth & Space Science/The Dynamic Earth:</u></p> <ul style="list-style-type: none"> ▪ <u>SC.08.ES.01:</u> Recognize that Earth materials are limited, and explore strategies for addressing this problem. <p><u>Social Sciences/Economics:</u></p> <ul style="list-style-type: none"> ▪ Understand the economic concept of scarcity. <p><u>Social Sciences/Geography:</u></p> <ul style="list-style-type: none"> ▪ <u>SS.HS.GE.07.01:</u> Distinguish between renewable resources and non-renewable resources and the global consequences of mismanagement. <p><u>Language Arts/Reading:</u></p> <ul style="list-style-type: none"> ▪ <u>CCG:</u> Listen to, read, and understand a variety of text across the subject areas at school and on own, applying comprehension strategies as needed. <p><u>Language Arts/Speaking and Listening:</u></p> <ul style="list-style-type: none"> ▪ <u>CCG:</u> organize oral, visual, and multimedia presentations in clear sequence, making connections and transitions among ideas and elements. <p><u>Technology:</u></p> <ul style="list-style-type: none"> ▪ <u>TG.03:</u> Access, organize and analyze information to make informed decisions, using one or more technologies. <p><u>Mathematics/ Measurements:</u></p> <ul style="list-style-type: none"> ▪ <u>CCG:</u> Understand measurable attributes of objects and the units, systems, and processes of measurement. <p><u>Mathematics/Statistics and Probability:</u></p> <ul style="list-style-type: none"> ▪ <u>CCG:</u> Select and use appropriate statistical methods to analyze data. 	<ul style="list-style-type: none"> ▪ Read and comprehend a variety of text. ▪ Write clearly and accurately. ▪ Apply mathematics in a variety of settings. ▪ Think critically and analytically. ▪ Use technology to learn, live and work. ▪ Demonstrate civic and community engagement. 	<ul style="list-style-type: none"> ▪ Energy Star http://www.energystar.gov/index.cfm?c=home_improvement.hm_improvement_audits ▪ Energy Audit Lesson Plan http://www.thirteen.org/edonline/wue/energy2_procedures.html ▪ Home Energy Audit http://apps1.eere.energy.gov/consumer/your_home/energy_audits/index.cfm/mytopic=11160