

Year 9-10 Science Energy Audit	Strand: Physical World. Using physics. Explore a technological application of physics.
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Key Competencies
Managing Self. Thinking.
Enterprising Attributes
Enthusiasm to make ideas happen. Problem solving.
Content
Identify and describe everyday examples of sciences of energy. Energy transformations. Conservation of energy.

The Learning Context
Based on the concept of TV programme “Wasted”.
<ul style="list-style-type: none"> • Students do energy audits of their own home identifying potential areas of efficiency concerns. The key components of the audit should be researched by students. • Students construct a report for their own home with recommendations for improvement and potential costs for remedies. • Work with local building companies to identify current technology which is going into new houses. This could involve both some fieldwork and visiting experts. • Look at energy efficiency in the school. Get students to undertake an audit with recommendations to be presented to the school management. • A collectively developed “Energy Audit” process could be developed by the class and used to provide feedback to real clients such as family members or local business and the school.
Assessment Ideas
<ul style="list-style-type: none"> • Reports and recommendations.