

## Case Details

### Case Title:

Save the School, Convince the Board

### Author(s):

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### Date Published:

8/30/2009

### Grade Level(s):

Middle School

### Subject(s):

Earth Science

### Summary:

PTSA board has voted to shut down the local middle school. The board has decided that it costs too much to remain open based on annual energy costs. Students have decided to try and stop the decision from taking place. Students are going to try and persuade the District School Board of Education to deny the PTSA request.

### Suggested Citation:

McKenzie, Y. M., & Pokorny, J. J. (2009). *Save the school, convince the board*. Retrieved June 03, 2012 from Emory University, CASES Online Web site: [http://www.cse.emory.edu/cases/casedisplay.cfm?case\\_id=3184](http://www.cse.emory.edu/cases/casedisplay.cfm?case_id=3184)

### Learning Objectives:

1. Students will be able define what energy is in their own words.
2. Students will be able to identify renewable and non-renewable sources of energy
3. Students will be to relate the sun's energy to wind and water energy
4. Students will be able to explain why fossil fuels are considered to be non-renewable sources of energy
5. Students will be able to list advantages and disadvantages of using different energy sources.
6. Students will be able to create a flow chart of energy conversions.
7. Students will be able to compare/contrast fission and fusion reactions.
8. Students will be able to create an argument for energy conservation

### National/State Standards:

*Georgia Performance Standards*

S6CS1: Importance of curiosity, honesty, openness, skepticism, etc

S6CS6: Communication

S6CS7: Question scientific claims/knowledge achievement

S6CS9: Scientific inquiry

S6E6 (a & b): Students will describe various sources of energy and their uses and

conservation