

ACTION PLAN #13

ELEMENTARY

ESTABLISH ENVIRONMENTAL AND ENERGY EDUCATION CLUB, "ENERGY MAN"

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Environmental and Energy Education (E³) Club for Intermediate Students

Action Plan Summary

The purpose of Highlands Environmental and Energy Education Club is to organize a student group that will focus on environmental and energy education. Members will explore ways to preserve and conserve energy within their school. The students will:

- educate staff and students regarding energy and environmental conservation methods, and
- implement a school wide plan which will focus on reducing, reusing and recycling on the school campus.

Implementation will take place in the fall of 2007. Intermediate students in grades 3-6 will be invited to join. The club's meetings will be held twice a month after school in the multipurpose room.

The total budget for the club for the 2007-2008 school year will be \$1,000. Most of this money will be used for start up costs. Once the club is established it will be financed through fund raisers (ie. -compact fluorescent light bulb sales and recycling efforts.)

Introduction to Audience

Highlands has never had an Environmental and Energy Club. The school community has always been supportive of efforts taken that make a positive impact on learning. We feel that the benefits derived from this club would be strongly supported by faculty, parents, and students.

Highlands was built in 1967 as a neighborhood school. The school remains an elementary school that serves the surrounding neighborhood, but open enrollment and students bused in for special needs now make up a substantial part of the school's enrollment. Highlands has a population of 680 students in grades K-6. There are numerous exceptional needs programs at Highlands including CD, LD, EBD, and Autism. The English Language Learner (ELL) program serves over 200 multicultural students.

Statement of Problem or Need

There is a need for Highlands's staff and students to be educated on the importance of environmental and energy conservation and the impact it has on our school community.

Project Goals and Objectives

The students will:

- Research ways to conserve energy within the school
- Share their research findings with other classmates via a PowerPoint presentation
- Chart school energy consumption and display their findings on a monthly line graph that will be published
- Write a monthly energy conservation tip for the school newspaper
- Take turns being the "Energy Man" and visit primary classrooms to give short presentations on energy conservation

Methods and Timeline

The club would organize and begin to meet in the fall of 2007. During the fall and winter months the students will focus on reducing, reusing, and recycling within the school environment. During the spring of 2008 the emphasis will be on environmental conservation issues that deal specifically with the outdoor campus.

Evaluation Criteria and Process

The success of the club will be measured by:

- Reducing the amount of energy used within the school. This will be determined by comparing the school's monthly energy costs
- Reducing the amount of paper consumed within the building. Counts will be taken and compared on the amount of paper reams consumed.
- Club members' participation in writing and presenting information regarding energy conservation efforts.

Budget

- \$ 50 Paper supplies (tag board, construction paper, copy paper)
- \$250 Energy vests (10 x \$25) Vests to be used during presentations
- \$100 Energy man costume
- \$300 Hands on Learning Materials:
 - Light meters
 - Energy meters
 - Storage containers
 - Light bulbs
- \$300 Resources (speakers, books and field trips)