



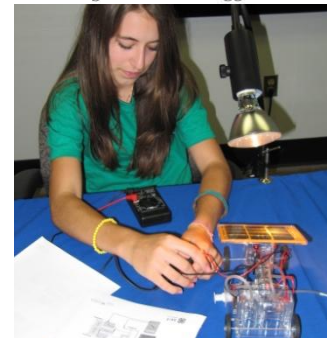
Energy Projects



4-H SAVE Project: Steps in Achieving Viable Energy

In the SAVE project, you will learn:

- to explore, investigate and answer key questions about all aspects of energy --*What is energy? Where can find energy? How do we use it and what would our life be without it?*--are just a few of these quests.
- how to use knowledge, skills, and better practices relating to energy conservation;
- science process skills such as critical thinking, observing and recording data, hypothesis testing, data interpretation and analyses along with engineering processes that are used in energy transformations.



Project Materials

SAVE Youth Project (For Youth Ages 11-13)

This project takes you on a journey through the exciting world of energy. You start the journey by learning about what energy is, the different forms and how it is transformed from one form to another. You can investigate various ways energy is used, both natural and man-made processes. Finally, the journey concludes with how the world is impacted, both positively and negatively by our energy use.

Member and Leader Manuals (Ages 11-13)

SP EGM 50	SAVE Youth Guide
4H EGL 60	SAVE Leader's Guide
4H EGL 61	Teacher's Edition of SAVE



SAVE Youth Manual (Ages 11-13 years)

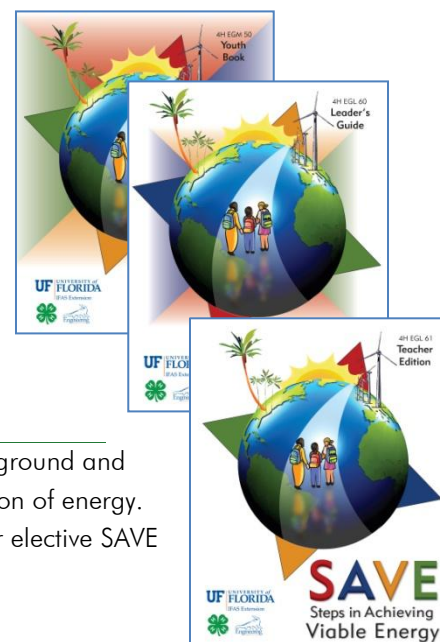
- *SAVE Youth Book* helps youth become familiar with the forms, uses and impacts of energy. In addition to the activities in the guide, youth choose elective SAVE projects to do at home as part of their experiences, along with reflections and journaling with their adult leader/helper.

Leader/Helper Guide

- *SAVE Leader's Guide* focuses on provides leaders and adult helpers the background and knowledge to support middle school aged youth in this journey and exploration of energy. The guide helps you with discussions, youth reflections and journaling of their elective SAVE activities to complete their project.

Teachers' Edition for Groups and Classroom

- *SAVE Teacher's Edition* focuses on expanded group experiments and experiential activities related to energy forms, sources, users and impacts using a series of nine topics. These activities, building on the youth activities, enhances understanding of these topics through interaction of specific topics including radian, chemical, hydrogen, wind, biomass, efficiency of energy systems and energy conservation.





Supplemental Materials

This project has been developed in collaboration with the Florida Energy Systems Consortium. The goal of the Florida Energy Systems Consortium is to become a world leader in energy research, education, technology, and energy systems analysis. For more information, go to <http://www.floridaconserves.org>

Other 4-H Related Projects

- Energy Projects
- Electricity Projects
- Wind Power Project
- Environmental Projects

Events and Activities

Non-competitive Events

- Florida 4-H Congress
- Florida 4-H Legislature

Competitive Events

- Florida 4-H Demonstration Contests: Mechanical, Electrical Energy and Small Engines Category
- National 4-H Engineering, Science and Leadership Event

Awards and Recognition Opportunities

- SAVE Project Certificates of Completion are earned with each advancing year of completion of SAVE activities the youth chooses to complete.
- Other 4-H Award Programs go to Florida4h.org

Project Website and Contacts:

<http://florida4h.org/projects/SAVE.shtml>

