

ENERGY



Did you know...

This project is for 4-H members who are interested in learning about the different kinds of energy in the world. These energy sources can include such things as wind, water, kinetic, electric or solar.

What can I do...

- Give a demonstration on the benefits of solar energy
- Enter a picture in a photo contest with a picture of a windmill
- Attend Electric Camp as a 7th or 8th grader

Check this out...

Can you match the energy source with the appropriate description? Draw a line from the source to the definition.

ELECTRICITY

COAL

SOLAR

- Solid fossil fuel mined from the ground
- Renewable energy source often collected by panels on rooftops
- Energy source that powers lights and computers and travels in a circuit



Future Thoughts...

What kind of career would someone in the Energy project pursue?

- An Electrician
- An Electrical engineer
- Manage a solar farm
- Work in a kinetic lab

Do you know what all of these professions do in their job? If not, do some research and dig a little deeper.

Work on this...

When solar energy hits objects, some of the energy is reflected and some is absorbed and changed into heat. Some colors absorb more solar energy than others. Try this experiment and see what you find.

Step 1: Put three thermometers in a sunny place and number them 1, 2 and 3.

Step 2: Cover the bulb of one thermometer with black paper and the bulb of another with white paper.

Step 3: Predict which thermometer will get the hottest.

Step 4: Wait five minutes then record your results by reading the temperature of each thermometer.

What did you predict? Was your hypothesis correct? _____

What's Next?

Contact your local 4-H Agent on other ways you can get involved with this project and with 4-H.

- Ask about the energy project
- Start a 4-H Energy project group where 4-H members can come together to learn from each other
- Attend Electric Camp in 7th or 8th grade

