

Energy Detectives



LESSON 2: Energy Detectives

OVERVIEW & PURPOSE: Students will collect data to support evidence of energy and understand that energy makes things change and that heat and movement come from energy. This lesson is from R.E.A.C.T lesson 1. <http://www.nrel.gov/docs/gen/fy01/30927.pdf>

CONTENT STANDARDS

NGSS: Practice 3: Planning and Carrying Out Investigations

CCSS Math: MP3 Construct viable arguments and critique the reasoning of others

OBJECTIVE:

Students will They will have a working definition for energy developed by observing evidence of energy around them.

VOCABULARY: Renewable, non –renewable, mechanical, solar, radiant, heat, electrical, nuclear, sound , chemical, kinetic energy, potential energy

MATERIALS NEEDED:

Copies of student worksheets.

Link :<http://www.nrel.gov/docs/gen/fy01/30927.pdf>

TEACHER QUESTIONS

What is energy?

What does observe mean?

Do things happen that are not observable?

How should we record observations?

ACTIVITY

See lesson in the linked pdf in the materials section above.