

Teacher Lesson Plans For Eco Bean: Saves Energy

E-1: SEE MY ENERGY

Objective: To have children experience the expenditure of energy and the consequence responses.

Subject Area(s): Science/Mathematics

Procedure: Have children jog in place for 30 seconds or while singing the "Eco Bean Song." Then discuss how they are feeling. Explain that they have expended energy.

Enrichment: Make butter by hand. Fill a container with $\frac{1}{4}$ cup of heavy cream. Have students take turns shaking as hard as they can. Each child can feel the shaking (energy) change the liquid to a solid.

E-2: SAVING ENERGY

Objective: To learn ways to save energy by creating a banner.

Subject Area(s): Science/Art/Language Arts

Procedure: Review the techniques for saving energy described in the book. Write the following sentences on chart paper: Close the refrigerator door. Run the dishwasher only when full. Turn off the lights, TV and computer when you leave the room. Tell adults about special lightbulbs.

Supply each student with recycled paper, scissors, crayons and glue to make a banner. Have each child glue the following words in capital letters: "That's Being Green!" from worksheet E-2. Glue the words on one side of the banner. Next have each child select a picture and glue it to the other side of the banner and decorate. The students bring in pictures or draw one from home. Teachers can bring in clip art to complete the banner

E-3: EXCITED ABOUT ENERGY

Objective: To discover how many things use energy.

Subject Area(s): Science/Art

Procedure: Give each child a copy of worksheet E-3. Ask the children to circle everything in the picture that uses energy. Then discuss all the different ways that energy is used.