

# Science Studies Weekly<sup>TM</sup> Footprints

GRADE  
**K**

## Energy



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There are many kinds of energy. Food is energy for living things. The sun's light and heat are energy. Sound is energy, too.

# Energy

You can burn wood or oil to make light and heat. Lamps use electricity to make light and heat.



Sound is made when something moves back and forth, or vibrates. You can see a guitar string vibrate. You can not see the sound.

Energy can change things. A push or pull can move something. Heat from the sun can melt snow. Light can make a dark room bright.

## Look & Learn

Look at these pictures. What do you see?



Did you know that raisins are made from grapes? Energy from the sun or an oven dries the grapes.



People use energy for many things. Energy from food helps us work and play.



Cars and other machines use energy. We use energy to keep our homes warm in the winter and cool in the summer.

## Blast-Off

(Do this outside in an open space.)

### What You Need

- a plastic film canister with a lid
- 1 Alka-Seltzer tablet
- water
- safety glasses
- an adult helper

### What to Do

1. Put on the safety glasses.
2. Fill the canister half full with water.
3. Drop the tablet in the water. Snap on the lid quickly.
4. Point the canister away from everyone.

What Happens - The tablet fizzes and creates energy. The energy pushes the lid off the canister.

Write the first letter of each of these things on the line under the picture. What do the letters spell?

