

# March Agenda

## In-school

### Resources Utilized



- Sheet that lists different forms of energy
- Sample gas bill
- A slinky, a rubber band, and a pen
- Video entitled *The last Day of Electricity*
- Commitment Sheets from the Community Energy Cooperative (a local community-based organization that trains people on how to conserve energy)

Urban Imagination Network  
School-Based Parent Workshop #7  
March 2001

### Focus: Energy

#### Welcome

#### Idea #1: Abstract Energy

- What is energy?
- When someone says, "She has a lot of energy," what do they mean?

Look at the pink sheet, which explains different types of energy.

- What are some differences between the types of energy listed?
- What is potential energy? What is kinetic energy?
  - How can you use these objects - a slinky, a rubber band, and a pen- to demonstrate the difference between potential and kinetic energy?
  - At what point is potential energy converted into kinetic energy?
  - How are the concepts of potential and kinetic energy translated into community work?

## Idea #2: Energy- the capacity to do work

- Energy is converted from one form into another when it is used.

Example: This conversion constantly occurs in our bodies as food (potential, chemical energy) is converted into energy for movement (kinetic, mechanical energy). Light bulbs also experience an energy conversion as electricity (electrical energy) is converted into light (light/radiant energy).

- Every time energy is converted into another form, some of it is lost to heat. eg. chemical energy (electricity)



- Look at the Energy Pyramid and describe how energy flows from one level to the next.
  - What is the Law of Conservation of Energy? What are examples of this?

## Idea #3: Energy- Real issue in life

Reading a Gas Bill

What do all those numbers on your gas bill mean?

## Idea # 4: Watch the video "The last day of Electricity"

Think about the following questions:

What are some examples of renewable energy sources? How do they work?

What are some examples of non-renewable energy sources? Why are they running out?

How does not having electricity affect your life?

What adjustments would you make if you had no electricity for one day - be creative. E.g. what could you use for light?

**Idea # 5: Commitment Sheets- Conserving Energy**

The sheet entitled "Your Commitment Sheets" has creative ways to conserve energy. Use the Commitment sheets to see how well you are doing. We will only fill out page one today. You can do the rest at home...

**Conclusion: Harvesting of ideas learned to date:**

Please use the forms provided to help us gather information on what you've learned in the parent program so far and how you have used it with your children. These are the topics we focused on in the last three months.

December - Housing

January - Communication (computer training)

February - Health