

## Remember When

### Student Objective

The student:

- understands that electric energy use has increased through the years
- understands how technology has changed our everyday lives.

<b>Key Words:</b>
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interview
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### Time:

Outside of class: 15 - 20 minutes per interview

Follow up: 1 class period

### Materials

- Science Journal (1 copy per interview)

### Internet Sites

<http://echo.gmu.edu/center/index.html>

Virtual Library: History of Science, Technology, and Medicine.

<http://www.englib.cornell.edu/icd/lists/historytechnology/historytechnology.html>

Cornell University's History of Technology resource page.

### Procedure

1. Explain to students that they will choose several older people to interview on their electric energy use at present, and also as a child. (recommended 2 - 3 interviews per student)
2. On the follow up day, lead a discussion encouraging students to share the information they gathered. Graphs and charts can be created using the class data.
3. Lead a discussion on how energy use has changed through the years. Points to include:
  - many homes have multiples of an item (i.e. television, stereo) where one per house used to be the norm
  - our use of electric appliances is growing; many things that we used to do manually now are done with electricity
  - our dependancy on electric appliances and gadgets is growing. Most students can not imagine doing without many of these electric 'wonders'.
4. Students may be interested in making predictions of future electrical energy use.

### Energy Whiz

What are your future predictions for solar science? What will our homes and schools look like in the future? How will we fulfill our energy needs? Submit your future solar and energy predictions to Energy Whiz to <http://energywhiz.com/>. You can submit drawings, prose, photos of models—whatever way tells your future story best.

**Related Research**

1. Create a skit of a person from today in the year 2050 being interviewed by a student on what it was like to live in 2003. The student should be amazed at how 'primitive' the living conditions were.
2. Design your bedroom of the future. Make sure you take into account where you will be getting your energy.

## Remember When

			.1	.2	.3	.4	.5	.6	.7
Energy	Standard 1	SC.B.1.3-	X						
	Standard 2	SC.B.2.3-							
Processes that Shape the Earth	Standard 1	SC.D.1.3-							
	Standard 2	SC.D.2.3-	X						
<b>Language Arts Standards:</b>		<b>LA.C.1.3.1 and LA.C.1.3.4</b>							

**Benchmark LA.C.1.3.1** - The student listens and uses information gained for a variety of purposes, such as gaining information from interviews, following directions, and pursuing a personal interest.

### Grade Level Expectations

The student:

*Seventh*

- formulates questions and conducts an interview

*Eighth*

- formulates questions and conducts an interview.

**Benchmark LA.C.1.3.4** - The student uses responsive listening skills, including paraphrasing, summarizing, and asking questions for elaboration and clarification.

### Grade Level Expectations

The student:

*Sixth*

- asks pertinent questions during activities such as interviews and discussions

*Seventh*

- asks appropriate, challenging questions for elaboration or clarification during activities such as interviews and discussion
- uses information gained for a variety of purposes

*Eighth*

- asks appropriate, challenging questions for elaboration or clarification during activities such as interviews and discussion
- uses information gained for a variety of purposes.

**Benchmark SC.B.1.3.1** - The student identifies forms of energy and explains that they can be measured and compared.

### **Grade Level Expectations**

The student:

*Seventh*

- knows examples of uses of energy in the home and ways to measure its use

**Benchmark SC.D.2.3.1** - The student understands that quality of life is relevant to personal experience.

### **Grade Level Expectations**

The student:

*Sixth*

- knows that a change in the environment affects the quality of life in different ways

*Seventh*

- knows ways to conserve and recycle resources

*Eighth*

- understands that quality of life is relevant to personal experience.

### Remember When

**interview** - A conversation, such as one conducted by a reporter, to gather information about a subject

## Remember When

Name of person you interviewed: \_\_\_\_\_

Your relationship to the person interviewed: \_\_\_\_\_

### Interview Questions:

What is your age: (check one)

- 20 - 29
- 30 - 39
- 40 - 49
- 50 - 59
- 60 - 69
- 70 - 79
- 80 - 89
- 90 - 99
- 100 +

Where did you live when you were young?

- in the country
- in the city
- in the suburbs

Where are you from? \_\_\_\_\_

Are you from another country?

- yes
- no

If yes, which country? \_\_\_\_\_

How many people lived in your house when you were a child? (including yourself)

- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- more than 10

How many people live in your house now? (including yourself)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- more than 10

For each of the items below, ask if the person you interview currently has that electrical appliance in their home. Write the number that they currently own in the first box. In the second box, write how many they had as a child. If they did not have that item, find out what they used instead, and put it in the third box.

Electrical Appliance	In your home now	In your home as a child	Used instead
<b>Entertainment</b>			
Television			
Radio			
Stereo/record player			
CD player			
VCR			
DVD player			
Computer			
Video game			
Answering machine			
Cordless phone			
Cell phone			
Video camera			
Digital camera			

Electrical Appliance	In your home now	In your home as a child	Used instead
<b>Heating and Cooling</b>			
Radiator			
Space heater			
Hot water heater			
Electric blanket			
Window air conditioner			
Central air conditioner			
<b>Cooking</b>			
Toaster/toaster oven			
Microwave oven			
Electric stove			
Electric oven			
Electric can opener			
Blender			
Food processor/mixer			
Coffee maker			
Electric grill			
Refrigerator			
<b>Cleaning</b>			
Vacuum			
Electric broom			
Iron			
Washing machine			
Clothes dryer			
Dishwasher			

<b>Electrical Appliance</b>	<b>In your home now</b>	<b>In your home as a child</b>	<b>Used instead</b>
Steamer/carpet cleaner			
Vacuum for pool			
<b>Personal Items</b>			
Hairdryer			
Electric curlers			
Electric clock			
Electric shaver			
Walkman			
Electric toothbrush			
Curling iron			