Checklist of Things To Do

Home Tour
✔ Draw a large, basic diagram of house and yard. This diagram should show the rooms where hazardous products are commonly found, e.g., garage, basement, kitchen and bathroom.
✔ Collect pictures of common hazardous products. Tip: look in housekeeping magazines or hardware advertisements. You can also use the hazardous product pictures from [Section I, 4-6, Looking at Labels.]
✔ Collect empty containers of hazardous products for a teacher demonstration.
✔ Attain Mr. Yuk stickers from your local poison center. If not available locally, go to http://www.upmc.com/Services/poison-center/Pages/store.aspx to order them online.

Warning Words
✔ Make a poster with the lyrics of “Be Aware of Toxics in the Home” song.
✔ Enlarge and copy pictures of Mr. Yuk and skull and crossbone poison symbols.
✔ Collect three clear containers. Label one with Caution, one with Warning and one with Danger.

Washing Water
✔ Attain a copy of The Magic School Bus at the Waterworks, by Joanna Cole.
✔ Collect empty, hazardous product containers for a teacher demonstration. You may want to take safety precautions, such as sealing the containers in clear plastic bags.

Household Connections
✔ Photocopy the Solutions to Household Pollution Maze
✔ Draw a large mural to show how household hazardous waste enters the environment. Use the Routes to the Environment Sheet from [4-6, Getting to the Route of the Problem] as a guide.
✔ Collect all types of clean trash (empty packages). Include materials which can be locally recycled such as plastics, tin, newspaper, etc. Also include pictures of hazardous products.

Prevention Is the Best Medicine
Set Up Learning Station
✔ The only advanced preparation needed is soaking the cotton balls with strong nonhazardous scent, such as wintergreen oil.
✔ Write student instructions for each of the three stations.
✔ Make copies of the Human Body Diagram.
✔ Optional: Read The Magic School Bus and The Human Body by Joanna Cole. This book vividly illustrates how substances may move through our bodies.

Test the Alternatives
✔ Collect the following ingredients for nontoxic cleaners: vinegar, salt, lemon juice, baking soda, vegetable oil, bucket, measuring cups, newspaper, sponges, rags and water.
✔ Attain a video recorder to create student commercials.
✔ Collect empty eco-friendly cleaning solution containers.
Subjects
Social Studies, Language Arts, Art, Mathematics

Skills
Analyzing, applying mathematical concepts, collaborating, investigating

Materials
Large diagram of house and yard (teacher made), pictures of common hazardous products (e.g.: magazine advertisements, hand drawn pictures), empty containers of hazardous products (for teacher’s use only)

Time
Two class periods

Vocabulary
Products, hazardous, poison, dangerous, caution, danger, warning, pesticide, paint, cleaning product

Related Teaching Toxics Activities
K - 3 Warning Words
4 - 6 Hazardous Homes?
4 - 6 Looking at Labels
7 - 8 What’s Hazardous?

Concept
Products containing hazardous substances are commonly used in homes.

Objective
Students will identify what types of products are hazardous and place where they are typically found on a house diagram.

Background
See Information Section, pages 120, 127, 139.
There are several ways to identify which household products contain hazardous substances. Generally certain types of products contain hazardous ingredients.

<table>
<thead>
<tr>
<th>Cleaners</th>
<th>Pesticides</th>
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<tbody>
<tr>
<td>Furniture Polish</td>
<td>Flea Powder/Collar</td>
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<tr>
<td>Spot Removers</td>
<td>Insect Repellent</td>
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<td>Drain Openers</td>
<td>Weed Killer</td>
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<td>Toilet Bowl Cleaner</td>
<td>Garden Insect Spray</td>
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<td>Oven Cleaner</td>
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<tr>
<th>Other Household Products</th>
<th>Car Products</th>
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<tr>
<td>Household Batteries</td>
<td>Motor Oil</td>
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<tr>
<td>Shoe Polish</td>
<td>Antifreeze</td>
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<tr>
<td>Rubber Cement</td>
<td>Car Batteries</td>
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<tr>
<td>Fingernail Polish &amp; Remover</td>
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<table>
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<th>Paint/Related Products</th>
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<tr>
<td>Paint</td>
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<tr>
<td>Wood Preservatives/Wood Stains</td>
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<td>Paint Brush Cleaners</td>
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Procedures and Activities
Introduction To Hazardous Products
- Discuss the meaning of the word hazardous.
- Write the categories of hazardous products on the board (e.g. cleaners, car products, pesticides, paint products) and help students list types of hazardous products in their homes.
- A discussion of Mr. Yuk Poison Control Center’s program to help young children identify hazardous products may help students think of hazardous products. On what types of products do students see Mr. Yuk stickers?
Hazardous Advertising

- Have students cut out pictures of hazardous products from magazines (e.g.: housekeeping magazines, paint and automobile advertisements.)
- Teachers may want to provide students with real product labels

Locating Where Hazardous Products Lurk

- On a house diagram ask five student volunteers to place one of their pictures of a cleaning product, a paint product, an automotive product, a pesticide and a product from the other category in the room where it would most likely be found.
- After students place the picture on the diagram, ask them to read (or the teacher reads) the corresponding hazardous product text (see next page). Younger students can identify the shapes and relative positions of the pictures on the diagram; older students can graph their findings of the 5 categories of the products and compare the amounts found in the various categories.
- Variation: In small groups, older student groups could draw their own house diagrams on newsprint paper and place pictures in the appropriate rooms.

Living Room
Kitchen
Bathroom
Basement
Garage

Mr. Yuk and Safer Homes

- Discuss how Mr. Yuk stickers can help students. Mr. Yuk stickers help students identify the products as hazardous. They know if they see Mr. Yuk stickers that they should stay away from that product.
- Pass out Mr. Yuk stickers. For homework, ask students to work with their families and place the stickers on hazardous products at home.
- Have students keep track of how many products they put Mr. Yuk stickers on. Discuss their findings the next day in class.
**Hazardous Products Text**

**Cleaning Products**
"I am Clarence Cleaning product. I could make you very sick if I am eaten. Sometimes I’m found in a closet in the bathroom or kitchen. Please put a Mr. Yuk sticker on me and store me in a locked cabinet.”

**Paint**
"I am Patty Paint Can. I could catch on fire if I am in a place that is too hot. I would also make you very sick if I am eaten. Usually I’m found in a garage or basement. Please store me in a cool place in a locked cabinet.”

**Automotive Products**
"I am Alice Automotive Product. I could make you very sick if I am eaten. Most of the time, I’m found where the car, lawn mower or farm machines are located. Please put a Mr. Yuk sticker on me and store me in a locked cabinet.”

**Pesticides**
"I am Patrick Pesticide. I could make you very sick if I am eaten. I’m found in many different places. Sometimes I’m used inside the house, other times I’m used on the lawn and garden. Please put a Mr. Yuk sticker on me and store me in a locked cabinet.”

**Other Products**
"I am Fancy Fingernail Polish Remover. I can catch on fire very easily and make you very sick if I am eaten or smelled. I’m usually found in the bathroom or bedroom. Please put a Mr. Yuk sticker on me and put me in a locked cabinet.”