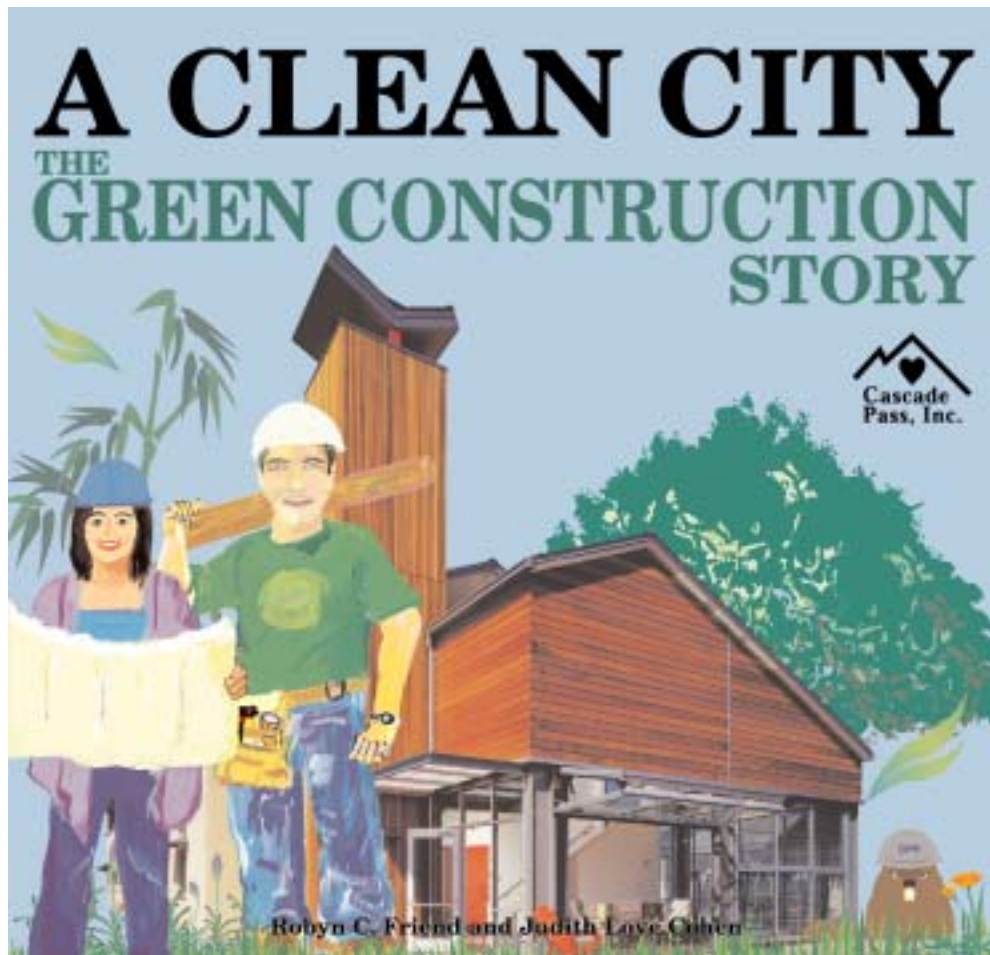


A CLEAN CITY

THE GREEN CONSTRUCTION STORY



THE CLEAN CITY: THE GREEN CONSTRUCTION STORY

LESSON PLAN 1: Designing a Green Building

PURPOSE: To gain an understanding of how a design team makes a building “green.”

MATERIALS: Pen and paper, construction paper, scissors, glue.

PROCEDURES: Have the children close their eyes and visualize a building as it is now. Have them draw a part of the building that they can imagine changing to be more green; have them make notes on what should be changed; e.g., more windows, solar panels, florescent lights, green roof, floor heating. Have children use construction paper and create a green version of the building. Have each child describe what they have constructed and how it is more green than what they started with.

CONCLUSIONS: How is your new building different from the building you started with?
What features and materials have you added to your building?
What does it feel like when you are inside the new building?

LESSON PLAN 2

PURPOSE: To gain an understanding of reducing, recycling and reusing.

MATERIALS: Pads of paper, two trash bins filled with pictures of various construction debris: concrete pieces, wood beam ends, window panes, old carpeting, old furniture, packaging.

PROCEDURE: Have the children divide into two teams and give each one a trash bin filled with the pictures as described above. Have them take out the pictures of the items, one by one and have one of the children be the note taker and write down what the object is. Have the children discuss what can be done with each item and what can be done in the future to reduce the amount of waste. Have each team present their reuse, reduce, recycle strategy to the class.

CONCLUSIONS: What can you do with each of the items?

Faucets or furniture can be reused by construction people on another building. Packaging materials can be recycled. Carpets and concrete can be processed for reuse.



What can you do to reduce the volume of trash in the first place?

Vendors can be asked to provide materials in reusable containers instead of disposable packaging, building materials can be purchased in the appropriate size so there is no trim waste.

What happens to any trash or waste that remains in the trash bins? Why is this a problem?

