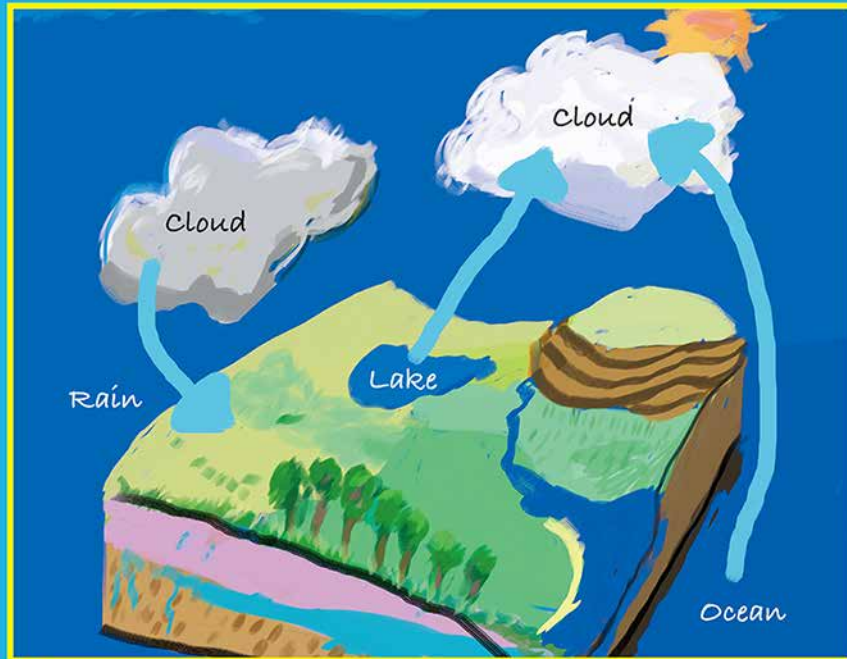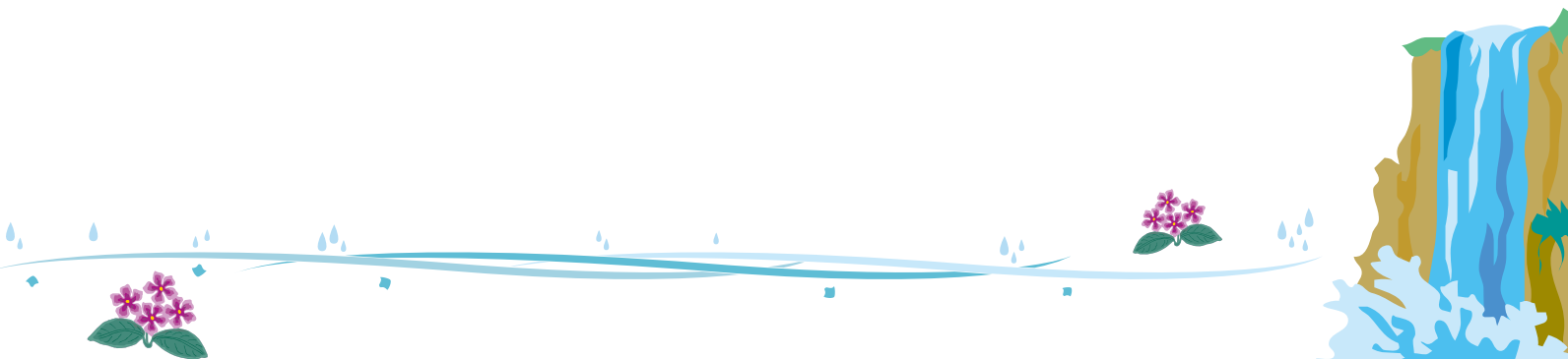# FUTURE ENGINEERING:
THE CLEAN WATER CHALLENGE

FUTURE ENGINEERING: THE CLEAN WATER CHALLENGE

Robyn C. Friend and Judith Love Cohen, Illustrations: David A. Katz

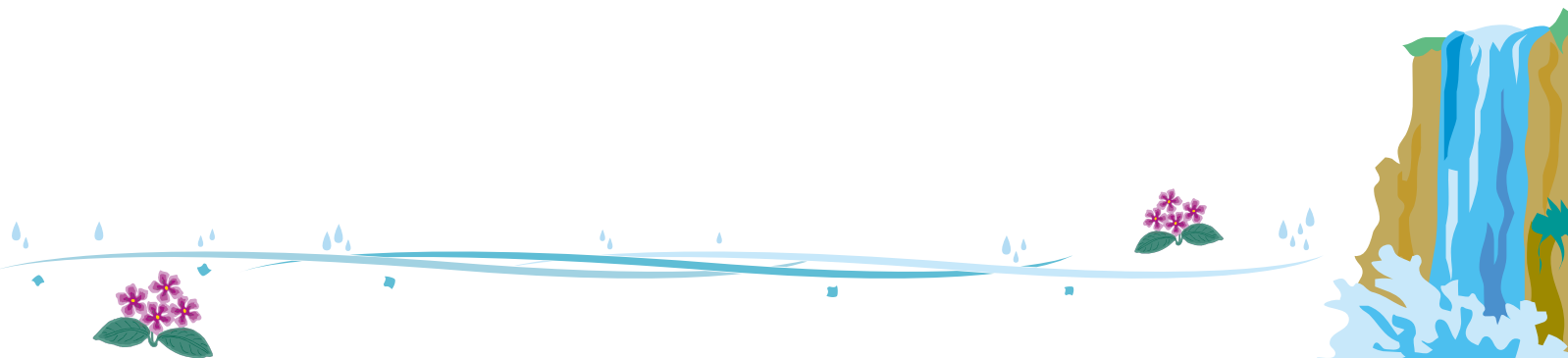## FUTURE ENGINEERING: THE CLEAN WATER CHALLENGE

LESSON PLAN 1

PURPOSE: To begin to understand how we use water in our daily lives and how we can learn to use less of it.

MATERIALS: Cards with activities on it that use water: e.g. watering plants, washing your bike, washing the family car, washing dishes, brushing your teeth, washing your body.

PROCEDURES: Have the children put the cards with activities on them face down on a table.
Have each child in turn pick a card and study it.
Have each child come up in front of the group and pantomime the activity in an intensive water use way.
Have the group try to guess the activity.
Then have the child redo a pantomime of the activity in a water conserving way.
Have the children write a list as each child does their activities.

CONCLUSIONS: In what ways do we use too much water at my house?
How can I help to change what we do?

LESSON PLAN 2

PURPOSE: To understand where the water at our homes comes from.

MATERIALS: Scissors, glue, shoe boxes, art supplies (paper, crayons, paints, and colored pencils).

PROCEDURES: Have the children use resources below to figure out where the water in their homes comes from.
Have them list what water body it comes from and what it passes on the way to them.
Have children take the shoe box and create an area that will contain the watershed, the rivers, the processing plants, the local distribution, etc., or if it is so, a well or local water body.

CONCLUSIONS: Where does our water come from?
What does it go through to get to us?

RESOURCES: Pictures of the origins of the local water from magazines or the internet. Pictures of structures along the way.