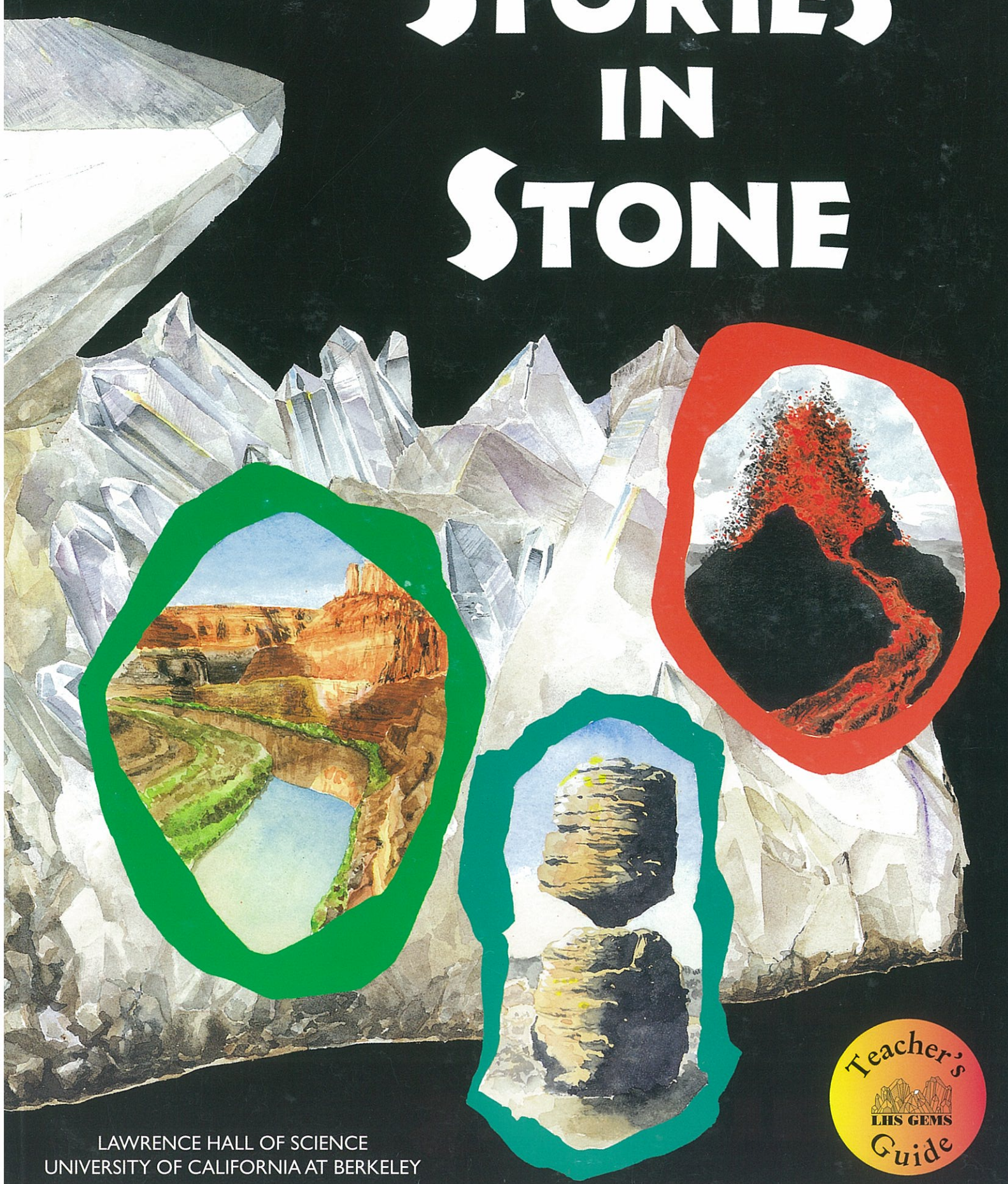
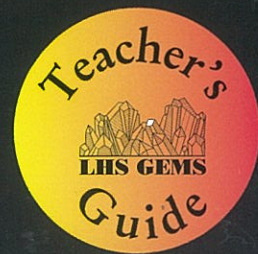


Grades 4–8

STORIES IN STONE



LAWRENCE HALL OF SCIENCE
UNIVERSITY OF CALIFORNIA AT BERKELEY



Materials Needed for All Sessions

On these four pages is a complete list of all materials that you will need to teach *Stories in Stone* for a class of 32 students. You may want to assemble them in one or two cardboard "banker's" boxes, or in large plastic containers, and label them: "Stories In Stone—Class Kit." (Note: The terms "consumable" and "non-consumable" are used to distinguish between items that will or will not be used up as you present the unit. The rock samples, for example, are non-consumable—they can be used for many classes; the salt or salol are consumable items and must be replenished. A third category, general supplies, includes items such as pencils and paper.)

Non-Consumables for *Stories in Stone*

- 9 samples of the following rocks and minerals* (plus one or two extra samples)

schist	halite	granite
quartz	basalt	galena
slate	obsidian	shale
		conglomerate
- 9 egg cartons
- 32 magnifying lenses
- 1 bottle of white correction fluid, to label rocks
- 1 bottle of clear nail polish, to label rocks
- 2 copies of "Rocks and Minerals Key," page 20
- 8 trays
- 16 sturdy paper plates
- 1 coffee pot, hot plate, or other source of hot water
- 24 small plastic cups (about 2 oz. capacity)
- 16 clear or black plastic spoons
- 32 stir sticks or additional plastic spoons
- 9 votive candles with holders
- 18 metal spoons (34 spoons are ideal)
- 1 quarter-teaspoon measuring spoon
- 32 pairs of goggles
- 16 clear plastic 6–10 oz. plastic cups
- 1 pitcher with 2–3 quarts of water
- 2 sponges
- 1 large bucket for waste water and soil
- 8 plastic knives for cutting clay
- 8 "mystery rocks"

Optional

- 8 flashlights

* Order from scientific supply companies.



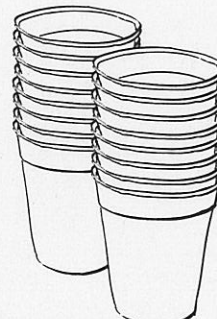
Measuring Spoon



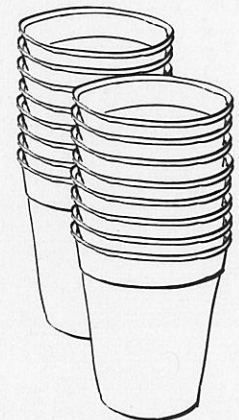
Clear Nail Polish



Correction Fluid



Small Plastic Cups



Large Plastic Cups

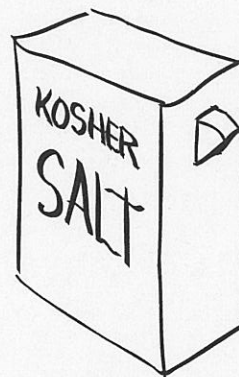


Rock Samples

Consumables for *Stories in Stone*

- 1 cup of Kosher salt (table salt can be substituted)
- 1 book of matches
- ice cubes
- 1 container of salol crystals (2 oz. is adequate for a class)*
- 1 pound each of sand, silt, and clay (in plastic bags or jars)
- 1 container of modeling clay of the following colors:
(note: 8 bars modeling clay = 1 pound)

red	4 bars	green	8 bars
yellow	4 bars	blue	12 bars
- 33 copies of each of the following sheets:
 - "Cube," page 40
 - "Hexagonal Prism and Pyramid," page 41
 - "Observing Crystal Formation," page 62 (or 63)
 - "Rock Type Description and Classification," page 110
 - "Observation and Display of Mystery Rock," page 111



Kosher Salt

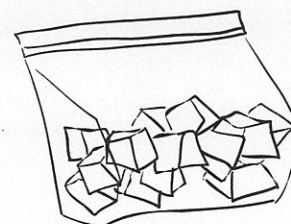


Matches

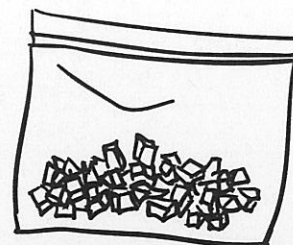
* Order from scientific supply companies.

General Supplies for *Stories in Stone*

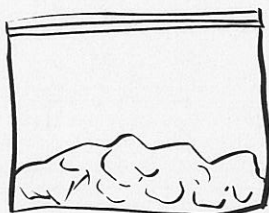
- 32 pencils
- 8 sheets of blank paper
- 8 index cards
- 32 pairs of scissors
- 16 rolls of transparent tape
- 1 roll of masking tape
- 1 stack of newspapers to cover student work areas
- 1 fine line permanent marker, to label rocks
- 1 heavy line permanent marker, to label bags of soil
- 16 white paper towels



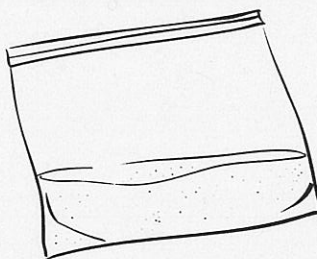
Ice Cubes



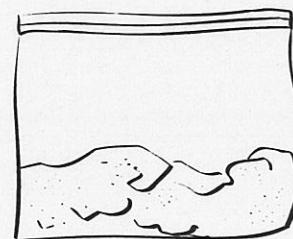
Salol



Clay



Silt



Sand