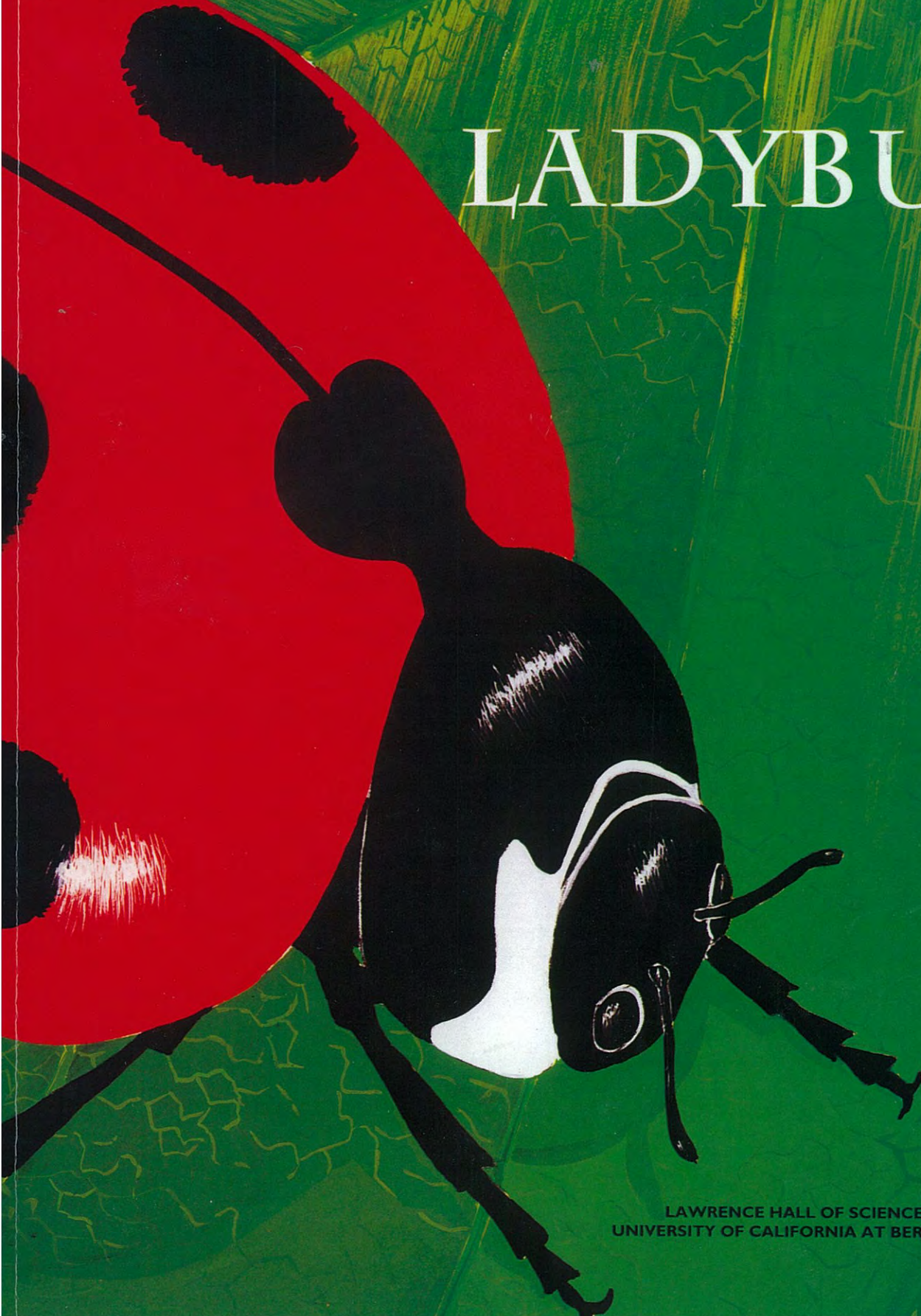


PEACHES

LADYBUGS

Preschool - 1



LAWRENCE HALL OF SCIENCE
UNIVERSITY OF CALIFORNIA AT BERKELEY

TEACHER'S GUIDE
LHS GEMS
LHS GEMS

Activity 1

Session 1

WHAT YOU NEED

For the whole group

- 1 Ladybug poster
- 1 Flying Ladybug poster
- 1 red marker, or red watercolor paint and a brush
- Pictures of ladybugs (See Resource Books on page 75 for books with color illustrations and photographs of ladybugs.)

For each child and yourself

- 1 clear plastic container, such as a plastic cup, with a lid or a bug box
- 1 live ladybug (The value of having live ladybugs for the children to observe and enjoy is well worth the time and

the small amount of money you spend. You can buy ladybugs from a biological supply company or from most garden supply stores during the spring and summer months, if you cannot collect them in your area. See Resource Materials on page 75.)

For caring for the ladybugs

- 1 clear plastic or glass container, such as a fish bowl
- 1 piece of nylon stocking
- 1 rubber band
- 1 small bunch of plant leaves and stems that are covered with aphids (Look on rose bushes, dandelions, nasturtiums, strawberry, bean, pea, and tomato plants.)
- 1 spray bottle

Optional

- 1 small yogurt container with a lid
- 1 sharp knife or pair of scissors

Session 2

WHAT YOU NEED

For the group

- 1 piece of yarn 4' long
- 1 ladybug poster

Optional

- Several plastic containers with one ladybug in each

For each child and yourself

- 1 Ladybug Spots sheet on page 28
- 1 small paintbrush or a cotton swab

For each pair of children and yourself

- 1 small container of black paint
- Art supplies: paper, scissors, crayons, felt pens, hole punch

Session 3

WHAT YOU NEED

For the whole group

- 1 tray
- Newspaper, enough to cover the tray and work tables

For each child and yourself

- 1 sheet of 6" x 6" black construction paper
- 1 sheet of 4" x 4" white paper
- 1 sheet of 5" x 5" red construction paper
- 1 black crayon or marker
- 1 white crayon or chalk
- 1 container of white paste or glue

Session 4

WHAT YOU NEED

For the whole group

- 1 brown, tan, green, or grey blanket, sheet, or bedspread

For each child and yourself

- 1 black peel-and-stick dot

Activity 2

Session 1

WHAT YOU NEED

For the whole group

- 1 Ladybug Eating Aphids poster
- 1 stapler
- 1 pair of scissors
- 1 store-bought or homemade orange popsicle (To make popsicles, see Homemade Popsicles on page 34.)
- 1 tray
- 1 12" x 18" sheet of green paper
- 1 12" x 18" sheet of waxed paper
- 1 role of double-stick tape
- 3 clear plastic containers with lids
- Live aphids on leaves (See page 73 for information on finding aphids.)
- Pictures of aphids (See Resource Books on page 75 for books with color photographs and drawings of aphids.)
- Live ladybugs

For each child and yourself

- 2 sheets of 9" x 12" red construction paper
- 2 sheets of 9" x 12" white tissue, waxed, or construction paper
- 1 sheet of 4" x 4" orange construction paper (cut a few extra sheets)
- 1 piece of black or red yarn , approximately 2½ feet long

Optional

- 1 hand lens

HOMEMADE POPSICLES

WHAT YOU NEED

For the whole group

- 1 container of orange juice, enough for each child to have one 3-ounce cup

For each child and yourself

- 1 paper cup, 3-ounce size
- 1 popsicle stick (or craft stick found in craft stores and some drug stores)

Session 2

WHAT YOU NEED

For each child and yourself

- 1 sheet of 9" x 12" green construction paper
- 1 pair of scissors
- 1 black crayon or marker

Session 3

WHAT YOU NEED

For the group

- 1 pair of scissors
- 1 tray
- Newspaper, enough to cover the tray and work tables

For each child and yourself

- 1 leaf (made in Session 2: Making Leaf Homes on page 37)
- 1 paper ladybug (made in Activity 1: Getting to Know Ladybugs on page 13)
- 1 paper aphid body (made in Session 1: Ladybugs, Plants, and Aphids on page 33)
- 1 sheet of 2" x 2" orange construction paper
- 1 black crayon or marker
- 1 container of white paste or glue

Activity 3

Session 1

WHAT YOU NEED

For the whole group

- 1 paper ladybug
- 1 pair of scissors
- Newspaper, enough to cover the work tables

For each child and yourself

- 1 paper leaf with an aphid
- 1 sheet of 1" x 1½" yellow construction paper
- 1 container of white paste or glue

Session 2

WHAT YOU NEED

For the whole group

- 1 pair of scissors
- 1 tray
- Newspaper, enough to cover the tray and work tables
- 1 Ladybug, Eggs, and Baby Ladybugs poster
- Pictures of ladybug eggs and larvae (See Resource Books on page 75 for books with colored pictures of eggs and larvae.)
- Live ladybug eggs and larvae on leaves

For each child and yourself

- 1 paper ladybug
- 1 paper leaf with an egg and an aphid
- 1 sheet of 2" x 4" orange construction paper (Include an extra one for the drama.)
- 1 sheet of 1½" x 2" black construction paper (Include an extra one for the drama.)
- 1 black crayon or marker
- 1 container of white paste or glue

Activity 4

Session 1

WHAT YOU NEED

For the whole group

- 1 tray
- Newspaper, enough to cover the tray and work tables
- Live ladybug eggs, larvae, and pupae on leaves
- Pictures of ladybug pupae (See Resource Books on page 75 for books with colored pictures of pupae.)
- 1 Larvae and Pupa poster

For each child and yourself

- 1 paper ladybug
- 1 paper leaf with an egg and aphid
- 1 paper larva
- 1 sheet of 4½" x 6" orange construction paper (Include an extra one for the drama.)
- 1 sheet of 1½" x 2" black construction paper (Include an extra one for the drama.)
- 1 black crayon or marker
- 1 container of white paste or glue
- 1 pair of scissors

Session 2

WHAT YOU NEED

For the whole group

- 1 Ladybug, Eggs, Larvae, and Pupa poster

For each child and yourself

- 1 paper ladybug
- 1 paper leaf with an aphid and egg
- 1 paper larva
- 1 paper pupa

Activity 5

Session 1

WHAT YOU NEED

For the whole group

- 1 Scale on a Branch poster
- 3 paper ladybugs from Activity 1: Getting to Know Ladybugs on page 13
- 1 larva from Activity 3: Eggs and Baby Ladybugs on page 43
- 1 pupa from Activity 4: Ladybug Pupae and Life Cycle on page 53
- 6 sheets of 8" x 8" orange construction paper
- 1 sheet of 12" x 18" brown paper
- 3 sheets of 9" x 12" green construction paper
- 1 sheet of 24" x 30" blue paper or poster board
- 5 white peel-and-stick dots
- 1 container of white glue
- 1 roll of tape
- 1 brown crayon

Optional

- 1 clear plastic container with a lid
- 1 branch from an orange tree with ripe oranges
- 1 or more branches with live scale (Live scale are difficult to find, but having some for the children to observe is well worth the time it takes to look for them. Look on a variety of trees, including citrus, fig, pine, hibiscus, and elm trees. See page 74 for more information on scale.)
- Live ladybugs

Session 2

WHAT YOU NEED

For the whole group

- 1 branch mural
from Session 1: Ladybugs, Scale, and Oranges on page 66
- 1 or more paper ladybugs
from Activity 1: Getting to Know Ladybugs on page 13
- 1 larva
from Activity 3: Eggs and Baby Ladybugs on page 43
- 1 pupa
from Activity 4: Ladybug Pupae and Life Cycle on page 53
- 1 paper leaf with an egg and aphid