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### What's Included

- Projector
- 4 disks

### Before You Begin

Use a Phillips-head screwdriver to open the battery door on the base of the projector. Install three new "AA" batteries. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries. Close the battery door and tighten the screw.

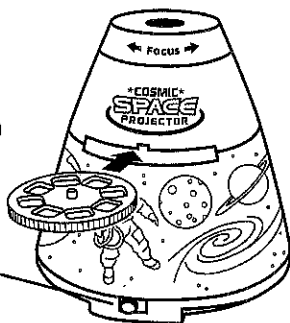
### About the Cosmic Space Projector

Slide in a disk, dim the lights, and project out-of-this-world images on your very own ceiling! The Cosmic Space Projector includes four disks featuring eight amazing images each. Kids can even use the projector as a night-light!

*(continued on back)*

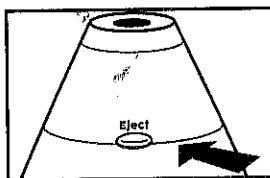
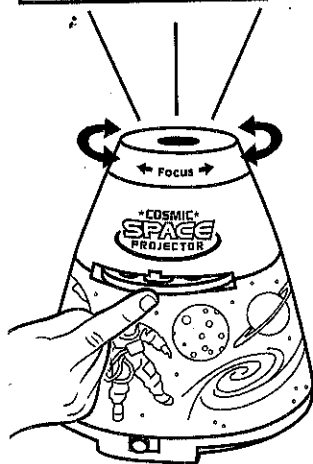
## Using the Cosmic Space Projector

- 1 Insert a disk into the slot, set the switch on the bottom to *projector*, and turn off the room lights. To cycle through the images, slide the disk.



- 2 To focus, twist the knob at the top of the projector until the image is clear and you can read the caption.

- 3 To eject the disk, press the button on the back of the projector. Insert a new disk to view more images.



That's all there is to it! If you wish to use the projector as a night-light, set the switch at the bottom to *lamp*.

■ Cut out two pieces of paper large enough to cover Jupiter on the board. Next, invite a small group of children to sit down at a table with the board in front of them. Have a child close her eyes. Then, cover a planet with a piece of paper. Ask the child to open her eyes and try to identify the planet that you covered up. Continue in this way with the rest of the children in the group. For an additional challenge, cover up two planets and have each child identify both.

■ Cut out a paper circle for each child. Give children crayons and hand out the circles. Ask children what details they remember about the planets. Then challenge children to draw the planets of their choice.

Lakeshore®

## SOLAR SYSTEM DISCOVERY BOARD

HH-247

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### Develops Skills In

- Understanding basic concepts about the solar system
- Identifying the planets

### What's Included

- Wooden board (2 pieces)
- 8 foam planets

### ⚠ WARNING:

**CHOKING HAZARD**—Item contains small parts and small ball. Not for children under 3 yrs.

## ***About the Discovery Board***

The Solar System Discovery Board gives children a fun, hands-on way to learn about planet sizes and positions! Children simply place the foam planets in the wells on the wooden board, building early space science skills with each match. Both the planets and their corresponding positions on the board are labeled for easy self-checking.

## ***Using the Discovery Board***

- Introduce the Solar System Discovery Board to a small group of children, explaining that it is a model of our solar system. Point out the labels on the planets and the board. Then show children how the planets fit into the wells.
- Give children two planets to pass around. Encourage them to compare the planets.
- Invite a volunteer to put one of the two planets in its well on the board. Ask children to check that the label on the planet matches the label below

- Once children understand how to use the Solar System Discovery Board, place it in your science center for independent exploration.

## ***Talk About It***

As children use the Solar System Discovery Board, say the following to engage their thinking:

- *I see you put all the planets in the correct places on the board. Which planet is the largest? Which is the smallest?*
- *You seem interested in Earth. Where on Earth are we located?*
- *Who travels to outer space? How do they get there?*

## ***Build On Their Learning***

- Invite a small group of children to sit on a carpet. Give each child a foam planet. Then prompt the children to work together to put the planets in the correct order without using the board. After all the planets are in place, have children look at the board to check their work.