LED Mini Light Box

(Light Box Kit – EC COE)

Description:	Image:
The LED Mini Light Box is a black box-shaped device with a built-in handle. It features a translucent surface with light that shines through it, making opaque objects and lighter-colored objects more visible. The surface design can hold overlays and ledges in position. The LED Mini Light Box has 12-15 hours of battery life when using the LED Mini at medium brightness and 6-8 hours when using it at full brightness, the light box runs on rechargeable lithium batteries. An APH LED Mini-Lite Box adapter is included. It weighs 4 pounds.	 Purchasing Information Users Manual

Who Might Benefit?

Those who…

- Are visually impaired.
- Experience difficulty paying attention to play and learning materials.
- Enjoy exploring shapes and colors.

Why Use?

Provides an opportunity to…

- Work on visually attending.
- Practice tracking and scanning skills.
- Develop or improve eye-hand coordination.
- Increase awareness of light, color, and objects.

Instructions for Use:	Adaptation Ideas:
Environmental Considerations (adapted from American Printing House Lightbox Guidelines) • Use the lightbox in a darkened corner of the room, positioned so that other children will	**Simplify It** • Begin light box exploration with just a few items placed on the surface, then increase the number or items based on the child's response. **Add Sensory Cues**

not come in contact with it or its electrical cord.
- Examine the lightbox for flickering to guard against having a seizure in a seizure-prone child.
- If a child is seizure-prone, be cautious about presenting items or displays on the lightbox which move in a rhythmic, patterned manner.
- If a student is sensitive or averse to light, it may be helpful to introduce the lightbox with overhead lights on.

Alternate Positioning

- Commercially available stands allow users to attach the LED Mini to a wheelchair, gait trainer, or other mobility device.

Basic Play/Use

- Construct a daily schedule on the light box using pictures made into transparencies.
- Count manipulatives lined up on a light box.
- Use a bold marker to write letters on lightweight paper, tape it to the light box, and have the child trace the letters.
- Do sorting activities on the light box.

Extended Play/Use

- Make transparent digital pictures of classmates and familiar adults, show them using the light box, asking the student to identify "so and so".
- Materials to be sealed in clear plastic bottles to create an interesting object for the student to manipulate over the lightbox: costume jewelry beads; mosaic tiles (transparent plastic squares); marbles; confetti made of colored acetate; colored bath oil beads; fishing "jelly worms" (transparent colors).
- Use with colored transparent plastic construction pieces (i.e. Click Builders); colored transparent plastic pegs which fit in a pegboard; clear plastic balls with spinning objects inside; brightly colored Teether Ball
- Use colored acetate sheets and objects and observe whether the student prefers one color over another.

Communication Support

- Use words like "look," "see," and "find" when presenting items on the lightbox work surface. Encourage the child and describe what they are seeing – its shape, size, position, and color.

Alternative Uses

- See 50 Ways to Use a Lightbox (Additional Resources).

DIY Alternatives

- DIY Lightbox
- Turn an iPad into a light box: Sensory Light Box App

(projections which make it easy to grasp); rainbow transparent party-ware; Halloween masks; make and bake (colored plastic 'stained glass' ornaments made from simple kit); brightly colored translucent or transparent plastic toys (Easter eggs, pop-beads, etc.); balloons; colored pinwheels; small toy cars; wind-up toys; colored plastic clothespins; plastic Halloween pumpkins; Wikki Stix. • Present a variety of unit related materials (see dry transfer suggestions) in a clear plastic tray positioned over the lightbox. Have the student trace with their finger or pour the materials in and out of smaller containers or nesting cups. Possible materials to use on the light box: acetate sheets (clear & transparent colored); colored projection markers; colored grease pencils; finger paints in plastic tray; crayons on thin white paper; three-way mirror; colored cellophane; colored tissue paper; thin, boldly patterned or colored wrapping paper; brightly colored plastic lawn chair strapping; tinsel; plexiglass sample squares; brightly colored or patterned fabric; transparent art film (contact paper); black tape; yarn; colored ribbon; doilies; colored buttons; rickrack; colored or patterned wrapping paper. • Provide materials for copying and tracing such as cookie cutters; coasters; Jell-O molds; stencils; wooden blocks; parquetry pieces; clay or play dough; poster board shapes; familiar objects with simple contours (a cookie, ball, bar of soap, shoe, or spoon); puzzle pieces; window clings.	

Additional Resources

- 50 Ways to Use a Light Box from Enabling Devices
- Light Boxes for Preschool Blog
- Let's Play Activities-Enlightening Light Boxes

Ohio Early Learning Standards

- MA: Geometry. Develops ability to recognize shapes and their attributes (4 a.).

Adapted from: Haugen's Modes for Adapting Toys based on materials from the "Let's Play" Project at the University of Buffalo

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