Light & Sound Butterfly

(Pre-Academic Learning Switch Toy Kit – EC COE)

Description:	Image:
Toys activated by switches are often used with children who lack motor strength, endurance, or control to play with a toy in the usual way. The switch provides a way for the child to activate the toy to do a specific function by pressing a switch. This toy offers the opportunity for a child to engage in a sensory (lights and music) cause and effect activity. The Light & Sound Butterfly is activated by pressing a capability switch (e.g. Buddy Button) and multi-colored blinking lights dance around the Butterfly while a song plays. The Light & Sound Butterfly plays 18 different tunes; each will play between 15 and 20 seconds. Songs include BINGO, Mary Had a Little Lamb, The Farmer and the Dell, This Old Man etc. The Light & Sound Butterfly is and weighs ½ lb. It requires a capability switch and 2 AA Batteries.	 Purchasing Information Video 1 Video 2 Users Manual

Who Might Benefit?

Those who…

- Need further practice and support of fine motor and eye hand coordination skills to manipulate toys.
- Need a highly engaging activity to attend, focus, and interact with the toy.
- Need an opportunity to learn about and experiment with simple cause and effect activities.
- Need to work on visual tracking.

Why Use?

Provides an opportunity to…

- Refine eye hand coordination for reaching, targeting, pressing, and releasing.
- Practice visual attending skills and attention to task with an engaging activity.
- Engage in and understand simple cause and effect.

Instructions for Use:	Adaptation Ideas:
Environmental Considerations • Can be used in any environment but may not be suitable for quiet environments due to the songs and flashing lights that occur when the toy is activated. **Positioning** • The butterfly can be positioned on a flat horizontal surface such as on a tabletop or on the floor with the child seated in a chair, on the floor, or standing. Place the toy so it is in easy reach and sight of the child. • If the toy is positioned on the floor, it would be possible for the child to interact with the toy and switch in prone (lying on belly) or side lying positions too. **Alternate Positioning** • This toy could be mounted on a wall or slant board for children to view and reach in a vertical plane. **Basic Play/Use** • Plug any capability switch into the 1/8" cord jack located on the side of the Butterfly, making sure the switch is plugged in all the way. There should be no gaps between the connections, or the butterfly will stay ON and the switch will have no control over the Butterfly. • Be sure the child is positioned close enough to the butterfly to be able to see and hear the activity. Demonstrate how the sounds and lights play if the switch is pressed, then encourage the child to continue to explore on their own. This is a simple cause and effect use of the toy. • If the switch is activated while a song is being played, it will advance to the next song. • The butterfly can also be activated by pressing its bowtie.	**Optional Additional Materials/Supplies** • Dycem • Shelf liner • Velcro • Duct tape **Stabilize It** • The base of the toy and switch could be placed on Dycem, shelf liner or velcroed to a table or the carpet on the floor so it doesn't move away from the child. **Simplify It** • The lights on top of the butterfly could be covered with tape. **Add Sensory Cues** • Add sensory interest (e.g. adhesive backed "jewels"), textures (e.g. soft Velcro, or a High contrast "happy face" to switch surface. **Communication Support** • Provide a communication board with vocabulary appropriate (e.g. more, help, push, go, stop, caterpillar, blue, orange, red, black, etc.) for the child to engage with the Nursery Rhyme Caterpillar. **DIY Alternatives** • It may be possible to use a battery interrupter to quickly switch adapt a standard battery-operated toy that does not have a switch port but has a specific on/off function. This video describes how to make this adaptation. (NOTE: the battery interrupter needed is specific to the size of the battery in the device). 

Extended Play/Use • Children could take turns activating the switch to choose songs to be sung during circle time.	

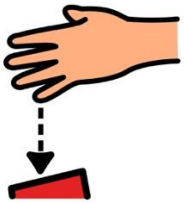
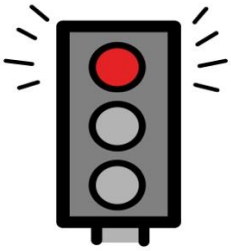
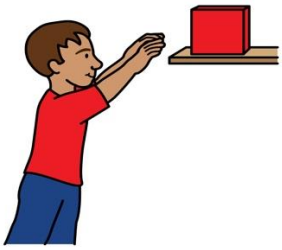
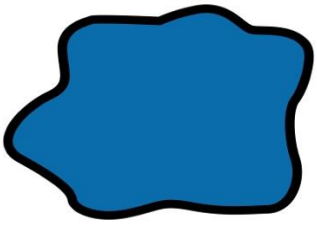
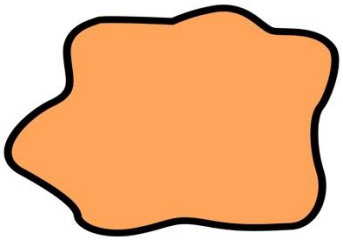
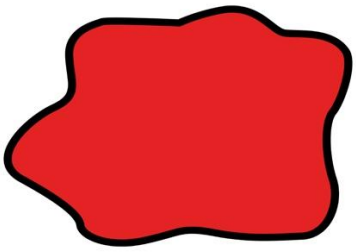
Additional Considerations:

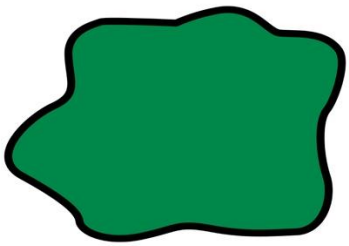
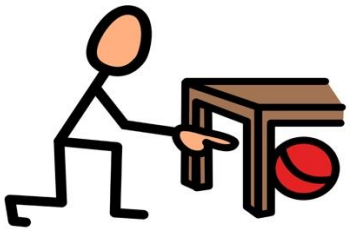
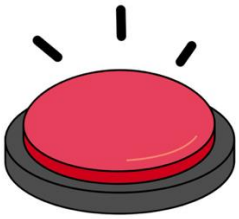
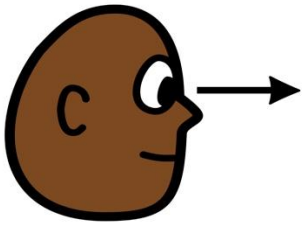
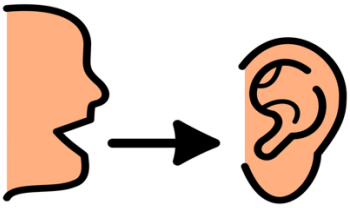
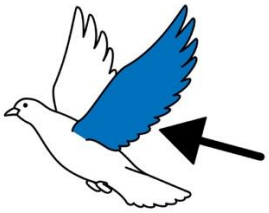
- 2 AA Alkaline batteries are needed as well as a switch to activate the toy.
- The Lights & Sound Butterfly has lights and recordings of familiar tunes. Some children with sensory sensitivities may not be able to tolerate the sound. Noise cancelling headphones could be used by the child to help reduce the noise if needed and can be obtained from the OCALI lending library as one of several items in the Sensory Regulation Kit.

Ohio Early Learning Standards

- SC: Science Inquiry and Application: Develops the ability to reason about cause and effect. (1.b.).
- PW: Motor Development: Demonstrates developing control of fundamental fine motor skills, including hand-eye coordination (1.b.).

Words to Encourage Play/Use

Push 	Press 	Hold 
Let go 	Stop 	Button/Switch 
On 	Off 	Reach 
Blue 	Orange 	Red 

Green 	Find 	Lights 
Music 	Look 	Listen 
Butterfly 	Wings 	Bowtie 

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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