

Preschool Activity - **EXPLORING LIGHT**

Materials:

Tabletop light panels
Sheer nylon scarves
Translucent interlocking blocks
Transparent colored drinking cups

Procedure:

When arranging and offering the above listed materials, it is important to position the materials in an orderly fashion so the children can see what is available and the possibilities for their use. Materials that are interesting, accessible and open-ended help children focus and spark their ideas and actions. When offering these materials, follow the child's lead by supporting their right to delight in discovery, share their ideas and theories, and work in amazing, yet predictable ways. (Curtis, 2004)



Math and Science Outcomes for Exploring Light

- Children will be provided with varied opportunities and materials that help them understand the concept of measurement by using standard and non-standard units of measurement
- Children will be provided with materials to understand basic concepts of geometry, for example naming and recognizing two and three dimensional objects
- Preschool children will experience wonder and show curiosity
- Preschool children will learn from their senses by using their bodies—fingers, hands, arms—for exploring
- Preschool children will experience science and mathematics by comparing, sorting, and by looking carefully
- Children will experiment through trial and error, and by testing ideas