



Science and Engineering: Light Play 2: Translucent Materials

Children play with light. This week, children investigate how light interacts with translucent materials.

Continued from Week 1

Vocabulary	translucent: letting some light through
Additional Materials	<p>Remove the opaque materials from the previous week and add:</p> <ul style="list-style-type: none"> various small, translucent materials from around the classroom (e.g., white paper squares, tissue paper squares, colored plastic squares, napkins, flat glass marbles, colored window blocks, magnet tiles, counting chips, colored scarves, x-rays, etc.) <p>Store the materials in a basket on the side of the light table.</p> <p>Bring to the Intro to Centers: the light table, a couple of the translucent and opaque materials</p>
Intro to Centers	<p><i>Many of you visited Science and Engineering last week to experiment with the light table and opaque materials, where light does not pass through. What did you discover?</i></p> <p>Invite a few children to share their experiences in the Center so far.</p> <p><i>Many of you found additional opaque materials around the room, Name a few examples.</i></p> <p><i>This tissue paper is not opaque, it is translucent. What do you notice?</i></p> <p>Invite 1-2 responses.</p> <p><i>How is this translucent object different from this opaque object?</i></p> <p><i>We read about translucent materials in our book, Playing with Light and Shadows. Translucent materials are different from opaque because they let some light through.</i></p>

	<p><i>What do you think will happen if we place this tissue paper square on the light table?.</i></p> <p>Invite 1-2 predictions. Make connections to the discussions and observations from the previous week and to the read aloud.</p> <p>Model putting the tissue paper square on the light table.</p> <p><i>What do you notice?</i></p> <p>Invite responses.</p> <p><i>Remember to draw pictures of the translucent objects on the light table!</i></p>
Standards	<p>PreK-PS4-2(MA). Connect daily experiences and investigations to demonstrate the relationships between the size and shape of shadows, the objects creating the shadow, and the light source.</p>

Image Citations from Center Language Supports:

translucent: <https://www.mornglass.com/how-to-make-the-glass-frosted-glass.html>

Notes