

WEEK 3

Science and Engineering: Light Play 3: Transparent Materials and Sorting

Children play with light. This week, children investigate how light interacts with transparent materials. They sort materials by opaque, translucent, and transparent qualities.

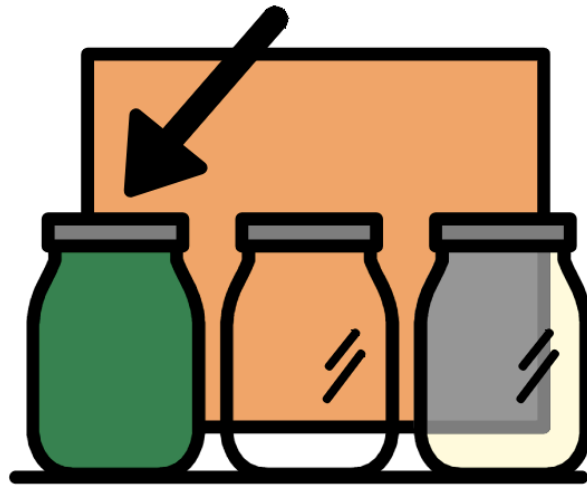
Continued from Weeks 1-2.

Vocabulary	transparent: letting all light through
Additional Materials	<ul style="list-style-type: none"> ● reintroduce some of the opaque materials from the previous week ● reintroduce some of the translucent materials from the previous week ● various small, transparent materials from around the classroom (e.g., glass, clear plastic cups, transparencies, zip-lock bags, etc.) ● Light Play recording sheets ● 3 bins/tubs/baskets to categorize the materials by property Use the light play labels to create a bin for each property. As an alternative, masking tape can be used to create sections on the light table itself to sort the materials. ● light play labels (opaque, translucent, transparent) for bins <p>Store all of the materials (opaque, translucent, transparent) in a large basket/bin.</p> <p>Bring to the Intro to Centers: the light table, large basket of materials, Light Play recording sheet, “opaque” bin, “translucent” bin, “transparent” bin</p>
Intro to Centers	<p><i>Last week in Science and Engineering, we experimented with translucent materials at the light table, materials that allow some light to come through.</i></p> <p><i>This week, you will find more materials! Some of these materials will be transparent. An item that is transparent lets all of the light through.</i></p> <p>Show a transparent item.</p>

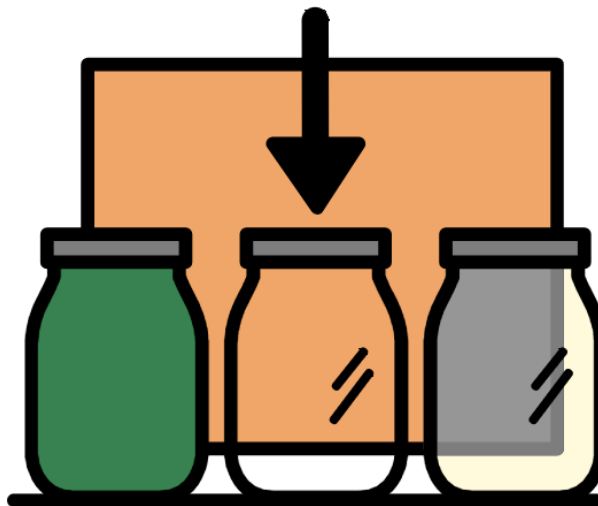
Opaque, Transparent, Translucent labels

Cut out the images and attach them to tubs. After testing the objects, children place the objects in the corresponding tub.

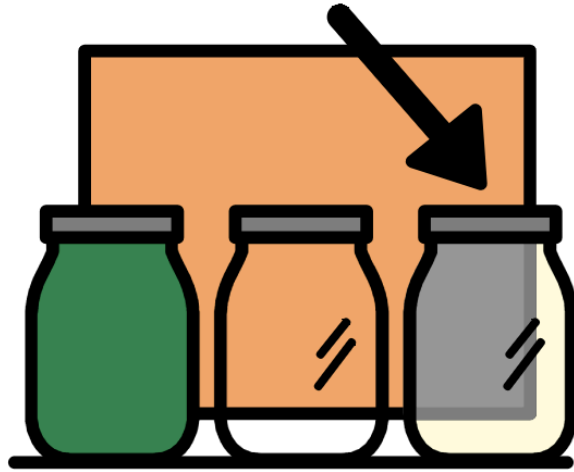
opaque



transparent

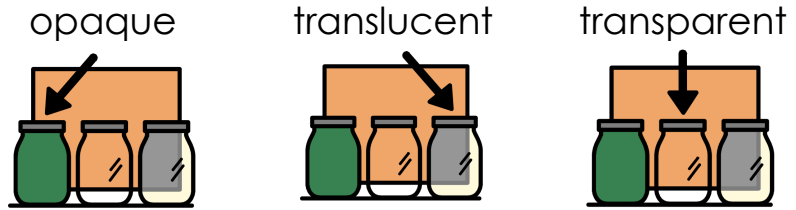


translucent



Light Recording sheet

Prediction:



Observational Drawing: