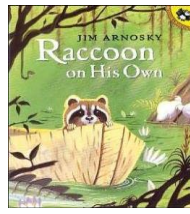
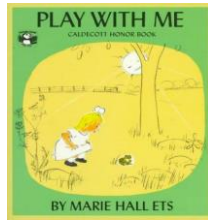




# Reflections In Water


**Standards:**

S.LS.PS.6  
S.ES.PS.2  
PHD.FM.PS.5  
ELA.LS.VAU.PS.1-1a


**Materials:**

- *Raccoon On His Own*
- *Play With Me*
- reflective material, i.e., mylar, tin foil
- Beautiful Stuff
- flashlights
- Reflections in Water images

**Vocabulary:**

- reflect(-ive, -ion)
- sunlight
- surface
- shiny
- pond
- swamp

**Preparation:** Set up materials. Line the bottom and the sides of the Discovery Table with reflective material such as mylar or tin foil.

**Intro to Centers:**

“In *Raccoon On His Own*, the raccoon saw his **reflection** in the water as he drifted in the **swamp**. In *Play With Me*, the girl sat still very still and saw her **reflection** in the **pond**. What do you notice?”

“How is raccoon’s **reflection** the same as or different from the girl’s **reflection**?”

“Today, in Discovery, you can experiment with making **reflections** in water. The **surface** of the table is lined with with **shiny** material. What do you notice?”

*Show illustrations.*  
*Children respond.*

*Children respond.*

*Show materials.*  
*Children respond.*

**During Centers:**

Encourage children to compare and contrast the reflections created using different materials. Challenge children to experiment with shining light on objects from different positions. Support children to observe what happens when two or more reflections overlap or touch. Compare and contrast the reflections in Discovery to the illustrations in *Play With Me* and *Raccoon On His Own*. Encourage children to draw and label pictures of the reflections.

**Guiding Questions during Centers:**

- What happens to an object's reflection when you shine light close to/far away from/at an angle on the object ?
- How is an object's reflection on the bottom of the Discovery table similar to or different from its reflection on the side of the table?
- What do you predict will happen if you shine light on two objects/ materials next to/on top of each other ?
- How are the reflections in the Discovery Table similar to or different from raccoon's reflection and/or the girl's reflection?

**Thinking & Feedback:** Invite children to share their processes. Encourage children to describe the challenges they might have encountered.

**Documentation:** Collect samples of the children's work as well as photographs and/or video of their process; use the documentation to launch a discussion during Thinking and Feedback.

**Provocation:** Encourage children to create and document reflections throughout the classroom/school.

