



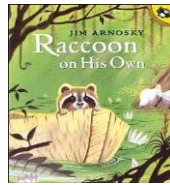
Small Groups: Kaleidoscopes

Support: High

Standards:

ATL.RPS.PS.2-4

ELA.LS.VAU.PS.1-1a



Materials:

- *Raccoon On His Own*
- kaleidoscope
- Bingo dabbers markers
- tape
- Mylar or aluminum foil
- heavy paper (e.g., tagboard, cardstock, etc)
- Paper to create designs

Vocabulary:

- kaleidoscope
- mirror
- reflection
- rectangle
- triangle

Preparation: Children will make kaleidoscopes by taping 3 rectangles together to form a triangle (see images). To prepare rectangles, cut rectangles from heavy paper. Adhere Mylar/aluminum foil to the rectangles. Children will create pictures with bingo dabbers and markers to look at through their kaleidoscopes.

Procedure:

Show the illustration of Raccoon's reflection in *Raccoon on His Own*. Review that reflections are formed by light on a shiny surface. Show children the kaleidoscope, model using it, and allow each child to take a turn. Encourage children to describe what they see in the kaleidoscope. Explain that kaleidoscopes have mirrors inside that create reflections of the materials in the cap at the end.

Tell children they can create their own kaleidoscopes. Show materials. Model.

Give each child three rectangles, shiny side down. Assist children in taping the sides together to make a triangle.

Hold contact paper collage at one end and turn as children look through kaleidoscope. Compare and contrast the reflections in their kaleidoscopes to the reflections in the sample kaleidoscope.

