



Small Groups:

What Can Air Move? (*High Support*)

Standard Connection:

ELA.RL.PK.4.7

ELA.SL.PK.4.3

S.PS.PK.4.1

S.PS.PK.4.2

S.PS.PK.4.4

PD.SHS.PK.4.5

Enduring Understanding(s):

- Living things respond in different ways to different kinds of weather.

Essential Question(s):

- How do living things gather information that will be useful to them and others?

Materials	Vocabulary	Books
<ul style="list-style-type: none"><i>Gilberto and the Wind</i>tabletop or hand-held fanhairdryertrayschart papermarkerstool or chairvariety of objects of different sizes/weights (cork, wad of foil, cardboard, ping pong ball, unit block, stapler, etc.)3 shoeboxes labeled: <i>Moved Easily</i>, <i>Didn't Move</i>, <i>Moved at Higher Speed</i>	<p>speed: how fast an object is moving</p> <p>heavy: hard to lift</p> <p>light: easy to lift</p> <p>observe: watch and listen carefully</p> <p>results: what happened</p> <p>experiment: try something</p> <p>test: try to figure out if something will work or not</p> <p>predict: what you think will happen</p> <p>data: facts collected</p>	

Procedure

Preparation: Set up materials.

Procedure: Show illustrations from *Gilberto and the Wind*. Encourage children to notice how the wind moved some things very easily but was unable to move other objects. Tell children that they will conduct an **experiment** to **test** whether wind is able to move various objects.

Set out a tray with objects to be **tested**. Ask a child to pick one of the objects and describe how the object feels (**light**, **heavy**, etc.). Ask the child to **predict** if the wind will move the object and to explain why or why not. Have other children hold the object and make **predictions**. Use an observational **data** chart to record children's **predictions**.

Encourage children to **observe** and discuss what happens when the object is placed in front of a fan/hair dryer at low **speed**. If the object did not move, turn the fan/hair dryer to high **speed** and **re-test**. Record **results** on **observational data** chart.

After all objects have been **tested**, **experiment** using wind to move objects on different surfaces (the rug, a counter, etc.) to see how that impacts the movement of the objects.

Encourage children to identify the variables that affect the movement of the objects.