

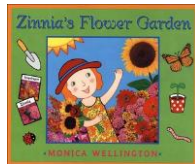


Comparing Capacities



Discovery

Standards:
 ATL.RPS.PS.5
 ATL.RPS.PS.8
 M.MD.PS.10



Materials:

- *Zinnia's Flower Garden*
- seeds/ dry beans / bird seed
- containers of different sizes
- funnels
- scoops / small shovels

Vocabulary:

- seed
- bean
- more/less
- most/least
- Compare
- Funnel
- full/empty

Preparation: Gather materials.

Intro to Centers:

"In *Zinnia's Flower Garden*, Zinnia planted **seeds** in her **garden**. What do you notice?"

"I can fill these containers with seeds, using scoops."

"Sometimes it helps to use a funnel. Can you tell me why?"

"I have two containers, a long skinny container and a short wide container. How can I find out which container holds more seeds?"

"Today, you can fill containers with seeds and compare which containers hold less or more seeds."

Show illustrations.
Children respond.

Model

Show materials.
Children respond.
Model use of funnel

Children respond.
Model.

During Centers:

Encourage children to work together to fill their containers. Support children with comparing capacities.

Guiding Questions during Centers:

- How many scoops did it take to fill your container?
- Which container holds more seeds? How can you find out?
- Which container holds the most/least seeds? How do you know?
- Will this container hold more lima beans or more sunflower seeds? How do you know?

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: Challenge children to line up containers from least capacity to most capacity.

