



Let's Find Out About It: What Does a Seed Need?

Standard Connection:
 ELA.RI.PK4.1
 ELA.RF.PK4.4
 S.LS.PK4.3
 S.LS.PK4.3a
 SS.FC.PK4.9

Enduring Understanding(s):

- Living things need food, water, and proper conditions to survive and thrive.
- Living things grow and have life cycles.

Essential Question(s):

- How do living things respond and adapt to their environments?
- What do systems need in order to function successfully?

Materials	Vocabulary	Books
<ul style="list-style-type: none"> • <i>The Ugly Vegetables</i> • <i>Zinnia's Flower Garden</i> • vegetable/flower seed packets • images of seeds (see Resource) 	<p>garden: a section of ground where herbs, fruits, flowers, or vegetables are grown</p> <p>moist: a little wet; damp</p> <p>nourishment: food for life and growth</p> <p>packet: a little envelope to hold something</p> <p>seed: part of a plant that grows into a new plant</p> <p>soil: a mixture of minerals, water, air, and organic matter</p>	

Let's Find Out About It:	
Preparation: <i>Set up materials.</i>	
"In <i>Zinnia's Flower Garden</i> and in <i>The Ugly Vegetables</i> , Zinnia, the girl, and her mother planted gardens . What do you notice?"	Show illustrations. Children respond.
"Here are packets - little envelopes - of seeds . Which seeds do you think Zinnia/the girl and her mother would plant in their garden ? Why?"	Show packets. Children respond.
"A seed needs food, water, and warmth to grow."	
" Seeds get nourishment - food - from the soil . How did Zinnia prepare the soil ?"	Show illustrations. Children respond.
"Zinnia aerated - made holes for air - in the soil with a shovel. She used a rake to remove stones."	Show illustrations.
" Seeds get moist - wet - when it rains. Why did the girl and her mother water the garden with a hose?"	Show illustrations. Children respond.
" Seeds get warm when light shines on them. What do you notice?"	Show illustrations. Children respond.
"The gardeners planted the seeds in a sunny place."	Show illustrations.