

UNIT 10: Gardening at a glance

WORDS

LEVEL 1	LEVEL 2
Flower Garden Seeds	Blackberry Cucumber Hoe Radish Rake Root Soil

SUGGESTED BOOKS

Expository	Narrative
<i>A Kid's Guide to How Flowers Grow</i> by Patricia Ayers	<i>The Tale of Peter Rabbit</i> by Beatrix Potter (the original and authorized edition)

DRILL AND PRACTICE

- ❖ Slap Jack
- ❖ Guess the Word

CONCEPTUAL ACTIVITIES

- ❖ Planting lima bean seeds
- ❖ Create your own garden

COMMON CORE STANDARDS FOR SCIENCE

K	Strand 4 Life Sciences, Concept 3 Organisms and Environments: PO 1. Identify some plants and animals that exist in the local environment PO 2. Identify that plants and animals need the following to grow and survive: food, water, air, and space.
1	Strand 4 Life Sciences, Concept 3 Organisms and Environments: PO 1. Identify some plants and animals that exist in the local environment PO 3. Describe how plants and animals within a habitat are dependent on each other
2	Strand 4 Life Sciences, Concept 2 Life Cycles: PO 3. Compare the life cycles of various organisms

GARDENING: WORDS AND DEFINITIONS

LEVEL 1 WORDS	DEFINITION
Flower	The colorful part of a plant
Garden	An area of ground where plants (such as flowers or vegetables) are grown
Seeds	Small objects produced by a plant from which a new plant can grow

LEVEL 2 WORDS	DEFINITION
Blackberry	A dark fruit growing on a bush
Cucumber	A long, dark green vegetable that is often used in salads or for making pickles
Hoe	A tool used to break up the dirt before planting seeds
Radish	A red root that some people eat, very bitter
Rake	A tool used to clear the ground for a garden
Root	The part of a plant that grows underground, gets water from the ground, and holds the plant in place
Soil	Another word for dirt

flower



the colorful part of a plant

garden



an area of ground where plants
(such as flowers or vegetables)

seeds



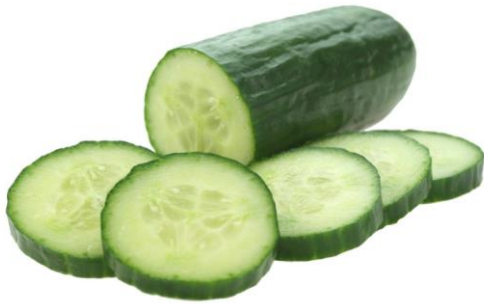
small objects produced by a plant
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blackberry



a dark fruit growing on a bush

cucumber



a long, dark green vegetable that is often used in salads or for making pickles

hoe



a tool used to break up the dirt before planting seeds

radish



a red root that some people eat, very bitter

rake



a tool used to clear the ground for a garden

root



the part of a plant that grows underground, gets water from the ground, and holds the plant in place

soil



another word for dirt

GARDENING: ASSESSMENTS

WORD	PRE-INTERVENTION SCREENING	POST-INTERVENTION ASSESSMENT
LEVEL 1		
Flower		
Garden		
Seeds		
LEVEL 2		
Blackberry		
Cucumber		
Hoe		
Radish		
Rake		
Root		
Soil		

GARDENING: INTERACTIVE BOOK READING QUESTIONS

Before reading the book, place each question on a sticky note and place it on the corresponding page.

Book 1: <i>The Tale of Peter Rabbit</i> by Beatrix Potter			
Reading	Page #	Question type	Question
1	17	competence	The rabbits are picking blackberries? Point to the blackberries.
1	23	relate	Have you ever eaten a radish? What does it taste like?
1	29	abstract	Why do you think Peter is afraid of Mr. McGregor's hoe?
2	6	relate	They look very cozy in the roots of that tree. Would you like to live in the roots of a tree? Why?
2	29	abstract	Why shouldn't Mr. McGregor wave the rake up in the air like that?
2	56	competence	What is Mr. McGregor digging up with his tool?
Book 2: <i>A Kid's Guide to How Flowers Grow</i> by Patricia Ayers			
Reading	Page #	Question type	Question
1	6	competence	Why do you have to plant seeds in the soil?
1	10	relate	Have you ever played with soil? What did it feel like?
1	21	abstract	What would happen if your garden wasn't in the sunshine?
2	9	relate	We live in a desert. What kind of flowers have you seen growing in desert? <i>Change question to be relevant to your environment.</i>
2	14-15	competence	What tool is that girl using?
2	18	abstract	What would happen if they didn't give the flowers enough water?

GARDENING: CONVERSATION PROMPTS

Use the space provided to script an anticipated conversation with your student.
Consider the following:

- What will you do if the student responds with only one word?
- What will you do if the student responds off topic?
- What will you do if the student doesn't respond at all?

Prompt 1: A garden is a place where someone grows fruits, vegetables, and flowers. What would you plant in your garden? Why?

Materials needed:

Turn	Script	Conversational Strategy
Teacher		
Student		
Teacher		
Student		

Prompt 2: Once I went to this big garden, it had all kinds of flowers in it. They were like the flowers in our book. Tell me about a time you saw a garden full of flowers.

Materials needed:

Turn	Script	Conversational Strategy
Teacher		
Student		
Teacher		
Student		

Prompt 3: I wonder if Peter Rabbit would like to wander around the garden in this book. He really liked to visit Mr. McGregor's garden because it had lots to eat. What do you think he could eat in this garden? What other animals do you think might like to wander around a garden?

Materials needed: *A Kid's Guide to How Flowers Grow* by Patricia Ayers

Turn	Script	Conversational Strategy
Teacher		
Student		
Teacher		
Student		

GARDENING: DRILL AND PRACTICE

Activity: Guess the Word

Purpose	To provide practice on the target vocabulary words and definitions multiple times.
Objective	The child will express target words and definitions in response to the teacher prompts.
Materials	<ul style="list-style-type: none">• 2 sets of 10 target word cards• Headbands with paper clips
Procedure	<ol style="list-style-type: none">1. Review the words and definitions.2. Each player gets a pile of target words (10 cards). For more players, distribute the cards evenly.3. Players pick one of the target word cards and put it in their headband, without looking at the card.4. Player 1 uses the definition to describe the word in Player 2's headband.5. Player 2 guesses what the word is. If Player 2 cannot guess the word, Player 1 provides more description without using the word. For example, for the word "dentist", Player 1 could say "This person looks at your teeth. They check to see if you have decay."6. After Player 2 guesses the word, s/he describes the word in Player 1's headband for Player 1 to guess.7. Player 1 guesses the word.8. Continue taking turns until all of the cards have been described.

ACTIVITY: Slap Jack

Purpose	To provide practice on the target vocabulary words and definitions multiple times.
Objective	The child will express target words and definitions in response to the teacher prompts.
Materials	<ul style="list-style-type: none">• One set of target word cards• Fly swatter (optional)
Procedure	<ol style="list-style-type: none">1. Put the cards out on the table, giving the word and definition for each card.2. The teacher says a definition and the student has to slap or hit with a fly swatter the word that matches the definition3. The child then has to say the word and the definition for the card that she slapped.4. After the teacher has said all of the definitions, the teacher and student switch roles.5. The student gives the definition and the teacher slaps the word that matches the definition.

GARDENING: CONCEPTUAL ACTIVITIES

ACTIVITY: Planting lima bean seeds	
Purpose	To engage the student in a conversation about the topic while engaging in an activity.
Objective	Child will express target words and definitions in response to teacher prompts.
Materials	<ul style="list-style-type: none"> • Lima beans (5-6) • Zip top bags • Paper towels • Egg carton • Soil • Spoon
Procedure	<p>Day One:</p> <ol style="list-style-type: none"> a. Place 2-3 lima beans inside paper towel. b. Fold paper towel around lima beans. c. Soak paper towel in water and seal in zip top bag. <p>Day Two:</p> <ol style="list-style-type: none"> 2. Check lima beans in bags. Say: "I think these are finally ready to plant!" 3. Place materials out on table: egg carton, bag of soil, spoon 4. Place soil inside egg carton. 5. Dig enough room in each space to plant one germinated lima bean. Cover bean again with soil. 6. Place egg carton out in sun. 7. Conversation: <ol style="list-style-type: none"> a. What does that soil feel like? b. I wonder if the roots will have enough room to grow in the egg carton. What do you think? c. We will watch your beans grow and in a couple of weeks you can put them in the ground at home. You can start your own garden! What would you need to plant a garden at home? How will you keep animals like Peter Rabbit out of your garden? <p>Ongoing:</p> <ol style="list-style-type: none"> 1. Water daily.

ACTIVITY: Create your own garden

Purpose	To engage the student in a conversation about the topic while engaging in an activity.
Objective	Child will express target words and definitions in response to teacher prompts.
Materials	<ul style="list-style-type: none">• Paper• Crayons and markers• Scraps of colored paper• Glue
Procedure	<ol style="list-style-type: none">1. Refer back to conversation #1 in which student told what he/she would like to plant in their garden.2. Teacher and student should create a picture of their own garden.3. As you make your garden, talk about your picture calling specific attention to the target words.4. Conversation: If I had a garden, this is what I would grow (share picture). I would grow these because _____. Tell me about the things you would grow in your garden.