

## TASK 1 PART C: Instructional Materials Five Lessons

### LEARNING EXPERIENCE - LESSON 1:

#### Materials:

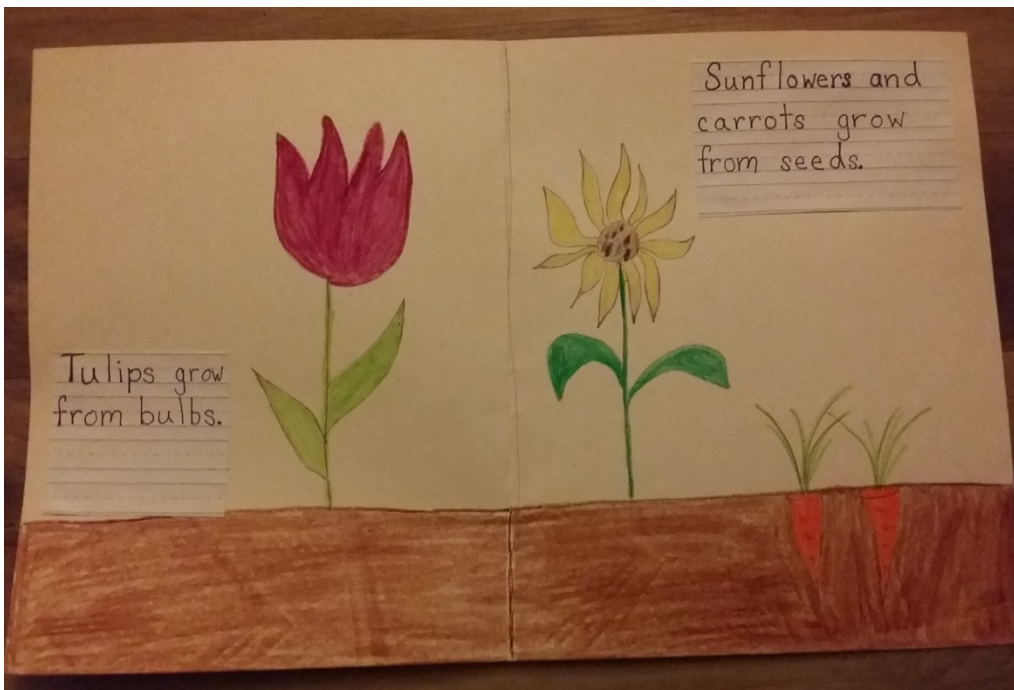
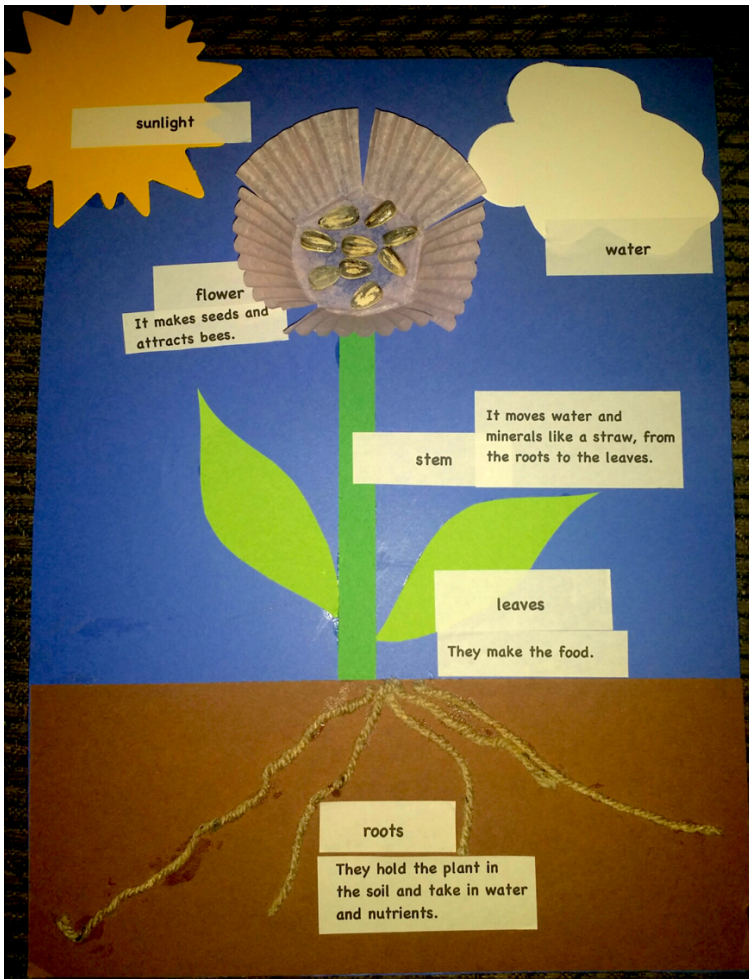
- Sequence of a Plant's Lifecycle Flashcards
- Document Projector for Song Lyrics
- Whiteboard / Markers
- Red and Blue Food Coloring
- Celery Stalks
- Clear Glass/Plastic Jars with Water
- Book: The Tiny Seed, by Eric Carle

### LEARNING EXPERIENCE - LESSON 2:

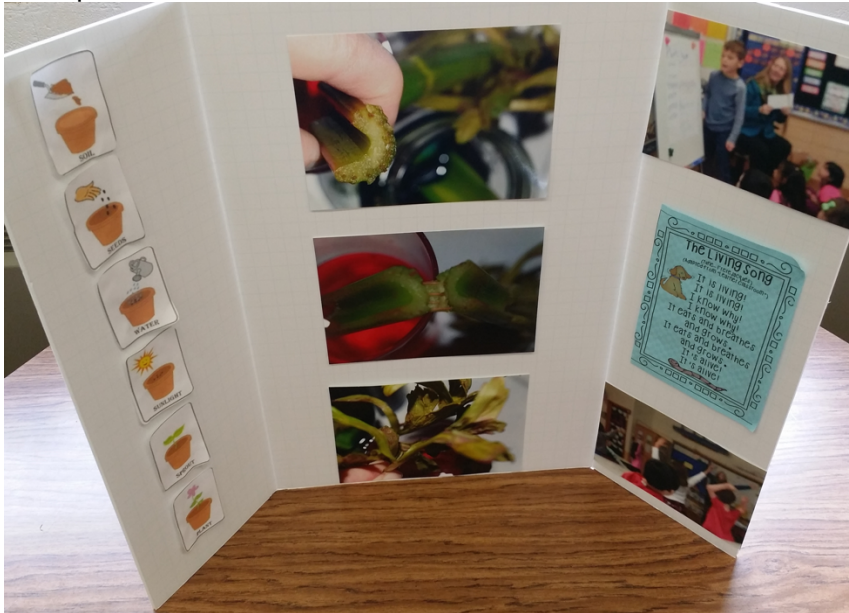
#### Materials:

- VIDEO: The Needs of a Plant. Retrieved from:  
<https://www.youtube.com/watch?v=dUBIQ1fTRzI>
  - Craft Supplies for Artistic 'assessment –Parts of Plant Labels... Cupcake holders, green strip, brown yarn, brown paper, cutout- leaves, cloud, sun, dotted-line paper.
  - Video: Time Lapse Sunflower 2:30:  
[https://www.youtube.com/watch?annotation\\_id=annotation\\_714050539&feature=iv&src\\_vid=Z-iPp6yn0hw&v=dKo5lvvtvWw](https://www.youtube.com/watch?annotation_id=annotation_714050539&feature=iv&src_vid=Z-iPp6yn0hw&v=dKo5lvvtvWw)
  - Video 1:19: Bean Seed: <https://www.youtube.com/watch?v=czRUxCJwVjw>
  - Review/refer to the book from last lesson: The Tiny Seed- by E. Carle (Review Life Cycle of a Plant)
  - Pictures – Review of our Celery experiment – See Documentation Board
  - Books: From Seed to Plant by G. Gibbons and The Magic School Bus Gets Planted by J. Cole, L. Notkin, and N. Krulik
  - Whiteboard / Markers
  - Display – Plant “research” books of the tables.  
*Extension PART 2 of Lesson 1*
  - Book: From Bulb to Seed- by Ellen Weiss
  - Bulbs display: Lillies and Astillbe
  - Seeds display: Corn, Green Beans, Cucumbers, Sunflowers, Zinnias, Bachelor Buttons
- Plant pictures grouped into ones that grow from bulbs versus seeds. Each picture is named for document camera display.

Materials Displayed below for the assessment segment:



The documentation board is displayed to students on Learning Experience-Lesson 2, containing excerpts from Lesson 1:



Part 2 of Learning Experience-Lesson 2, covers the difference between bulbs and seeds. Examples are shown to children:



## LEARNING EXPERIENCE - LESSON 3:

### Materials / Environment:

From this lesson and throughout the rest of the unit, arrange desks according to cooperative learning groups. (See picture, page 4)

- Computer/Phone cued to "Plants need..." song
- Book: **Planting The Wild Garden** by Kathryn O. Galbraith
- Large Chart Paper: 10 pieces
- Markers
- Index Cards/Cutouts for Categories
- Post-Its for Words
- Drawing Paper
- Pencils
- Books:

**Group 1:** Flowers by Christine Peterson, How a Seed Grows Into a Sunflower by David Stewart, Flowers by Henry Pluckrose, From Bulb to Daffodil by Ellen Weiss, Planting a Rainbow by Lois Ehlert, Sunflowers by Cynthia Overbeck, How Flowers Grow by Emma Helbrough

**Group 2:** Plants We Eat by Christine Peterson, Growing Vegetable Soup by Lois Ehlert, Life Cycle of a Bean by Angela Royston, One Bean by Anne Rockwell, Seeds Go, Seeds Grow by Mark Weakland, Seeds Sprout by Mary Dodson Wade, Plant Packages: A Book About Seeds by Susan Blackaby, Seed, Soil, Sun by Chris Peterson, Corn by Gail Gibbons

**Group 3:** Desert Giant: The World of the Saguaro Cactus by Barbara Bash, Deserts, by Gail Gibbons, Desert Animals and Plants for Kids by Speedy Publishing, About Habitats: Deserts by Cathryn Sill, A Desert Scrapbook by Virginia Wright-Frierson

**Group 4:** Plants Bite Back by Richard Platt, Hungry Plants by Mary Batten, Scary Plants by Janet Lawler, Venus Flytraps by Kathleen V. Kudlinski, Sundews: A Sweet and Sticky Death by Victor Gentle, Pitcher Plants: Slippery Pits of No Escape by Victor Gentle

**Group 5:** The Secret Life of Trees by Chiara Chevallier, Giant Sequoia Trees by Ginger Wadsworth, Tell Me, Tree by Gail Gibbons, "Amazing Plants", Scholastic News: My Weekly Reader March 2017 Ed. 1, Vol. 73 No.6, What is a Plant by Pam Rosenberg, Trees by Andres Llamas Ruiz, A Tree is a Plant by Clyde Robert Bulla, We planted a Tree by Diane Muldrow, Be a Friend to Trees by Patricia Lauber, and Trees by Henry Pluckrose

**Teacher Note: Arrange all books in totes for each group's concept.**



Materials Lesson 3, "Concept Sort" display for group assessment:



#### LEARNING EXPERIENCE - LESSON 4:

- Display board (two of five puzzle pieces of the Class Poster)
- Books: (5) Expert Groups Book Bags
- Books: (in each tote bag)

**Group 1:** Flowers by Christine Peterson, How a Seed Grows Into a Sunflower by David Stewart, Flowers by Henry Pluckrose, From Bulb to Daffodil by Ellen Weiss, Planting a Rainbow by Lois Ehlert, Sunflowers by Cynthia Overbeck, How Flowers Grow by Emma Helbrough

**Group 2:** Plants We Eat by Christine Peterson, Growing Vegetable Soup by Lois Ehlert, Life Cycle of a Bean by Angela Royston, One Bean by Anne Rockwell, Seeds Go, Seeds Grow by Mark Weakland, Seeds Sprout by Mary Dodson Wade, Plant Packages:

A Book About Seeds by Susan Blackaby, Seed, Soil, Sun by Chris Peterson, Corn by Gail Gibbons

**Group 3:** Deserts, by Gail Gibbons, Desert Animals and Plants for Kids by Speedy Publishing, About Habitats: Deserts by Cathryn Sill, Desert Giant: The World of the Saguaro Cactus by Barbara Bash, A Desert Scrapbook by Virginia Wright-Frierson

**Group 4:** Plants Bite Back by Richard Platt, Hungry Plants by Mary Batten, Scary Plants by Janet Lawler, Venus Flytraps by Kathleen V. Kudlinski, Sundews: A Sweet and Sticky Death by Victor Gentle, Pitcher Plants: Slippery Pits of No Escape by Victor Gentle

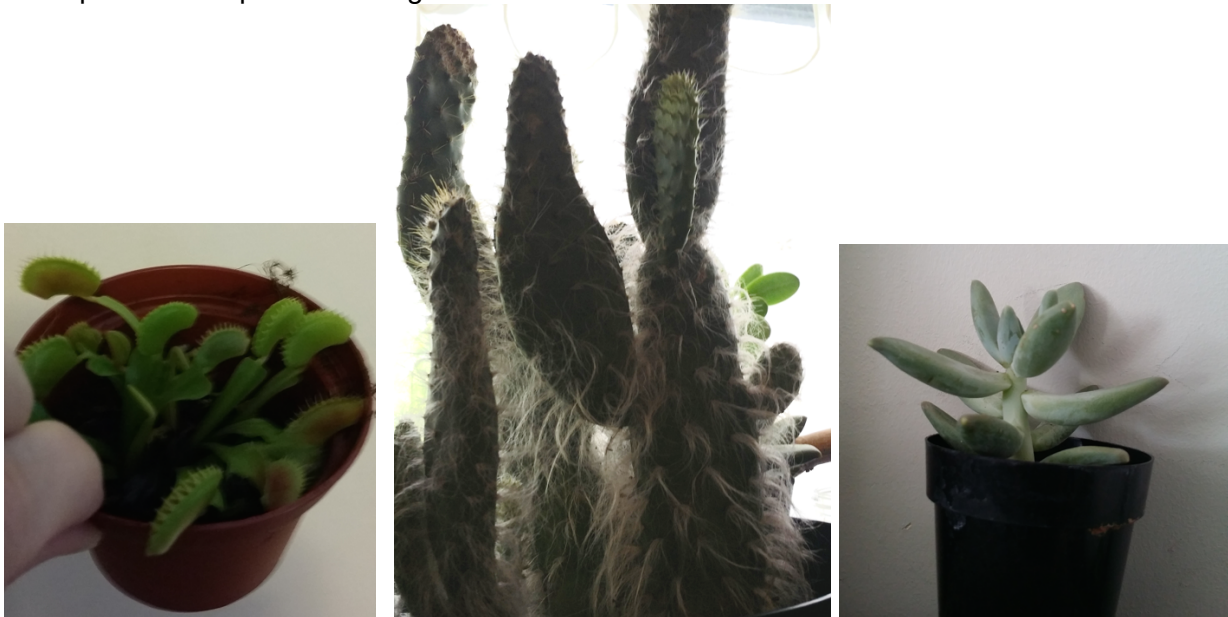
**Group 5:** The Secret Life of Trees by Chiara Chevallier, Giant Sequoia Trees by Ginger Wadsworth, Tell Me, Tree by Gail Gibbons, "Amazing Plants", Scholastic News: My Weekly Reader March 2017 Ed. 1, Vol. 73 No.6, What is a Plant by Pam Rosenberg, Trees by Andres Llamas Ruiz, A Tree is a Plant by Clyde Robert Bulla, We planted a Tree by Diane Muldrow, Be a Friend to Trees by Patricia Lauber, and Trees by Henry Pluckrose

- Markers
- Live plants (cactus and flowers) and/or loaded Ipads with video samples for each group's concept. (See: EXPLORATION: Teacher exhibits)
- Parts from Trees: Pinecones, bark, branch, leaves
- Paints- Water Colors-(4 kits), Tempura Paints: Green, Red, Yellow, Pink, Purple, Blue
- Paint brushes
- Card stock sheets for flower stamping/painting
- Flower Stamps / Ink pads
- Flower Seeds
- Vegetables-examples of plant parts we eat: carrot, lettuce, celery or asparagus, broccoli, apples, onion, sunflower seeds
- Corn Seeds
- Printed Labels of Corn Parts
- Wikki Stix
- Paper Plates
- Wide Green Pipe Cleaners
- Bug Stickers
- Wood toothpicks
- Dark green yarn
- Brown Paper Bag
- Tissue Paper: Red, Pink, Light and Dark Green, Orange, and Yellow
- Glue
- Scissors
- SmartBoard/Whiteboard and markers for Discussion Notes and Brainstorming Lists

**Teacher Note: Arrange all supplies according to each group's project. Organize in a bag with an art example so that they can take it back and begin their group work after the lesson explanation.**

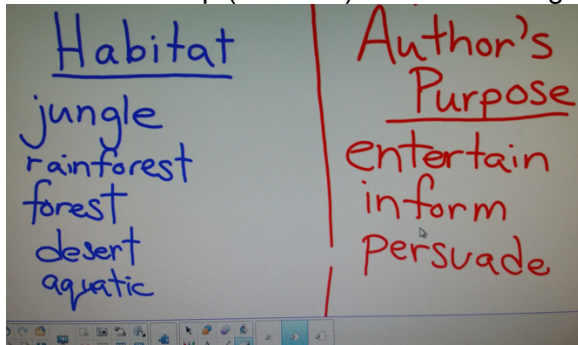


Example of some plants to bring in:





Example of brainstorming list for Learning Experience-Lesson 4's connection to prior knowledge from the zoo trip (Habitats) and earlier language arts lesson (Author's Purpose).



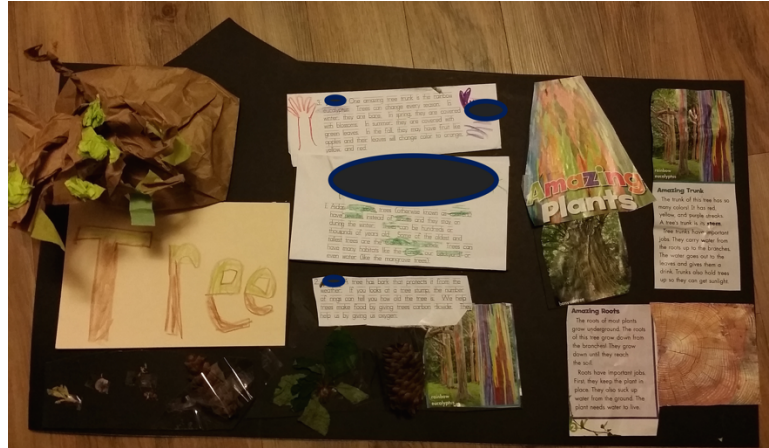
### LEARNING EXPERIENCE - LESSON 5:

#### Materials:

- Smartboard
- Ipads
- Kahoot Quiz Questions / Alphabetizing sheet for assessment
- Plants/food/seeds/bulbs to display if students want to use those in their presentation
- Jigsaw display board with art/text: (Five puzzle pieces from each expert group for the Class Documentation Panel)

Examples of Completed Learning Experience-Lesson 5's Expert Group- Jigsaw Puzzle Presentation Pieces:





Name: \_\_\_\_\_

Date: \_\_\_\_\_

### First Grade Unit: Plants

Put the following words in alphabetical order.

living	stems	Grow
bulbs	seeds	Soil
leaves	flower	Water
roots	fruit	Habitat

a b c d e f g h i j k l m n o p q r s t u v w x y z

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.

### Kahoot Quiz Questions- Plant Unit:

1. These are most always underground. They hold the plant in the soil and take in water and nutrients.  
a) Stems      b) Roots      c) Houses      d) Leaves
2. This is the part of the plant that moves water like a straw from the roots to the leaves.  
a) Stem      b) Leaves      c) Flower      d) Sun
3. A plant . . .  
a) Is Not alive      b) Is always inside a house      c) Can never be a food      d) Is Living
4. The needs of a plant are:  
a) water, soil, space, light, air      b) air, milk, honey, bread      c) dogs, cats, and people
5. Plants make food in their  
a) Feet      b) Hair      c) Stems      d) Leaves
6. A habitat:  
a) ...is a place where something lives and grows.      b) is a type of candy.      c) ...is always blue.
7. A bulb:  
a) ...hangs from a leaf      b) ...falls down when it rains      c) ...is always the color orange  
d)...can be planted like a seed.
8. One example of a habitat is...:  
a) The desert      b) the color blue      c) running      d) jumping

Reference:

<https://getkahoot.com/>