

Tops & Bottoms

PROGRAM OVERVIEW 2015



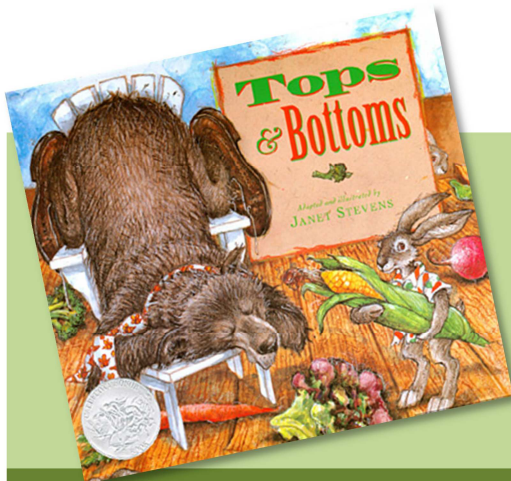
Objectives

MO Learning Standards for K-2:

- LO.1 - Fundamentals of living things
- LO.2 - Life processes

NGSS Standards for K-2:

- LS1.A - Structure and function
- LS1.C - Organization for matter and energy flow in ecosystems
- LS2.A - Interdependent relationships in ecosystems



About the Program

Our most popular Garden Class program for Kindergarten through 2nd Grade, the Tops & Bottoms program is a great way to introduce students to the parts of a plant. During this program, your students will:

- Hear the story of Tops and Bottoms by Janet Stevens.
- Discuss the six major plant parts (root, stem, leaf, flower, fruit and seed) and their characteristics.
- Participate in the planting of a magnetic 'garden' (shown above), during which the parts of the plant that comprise familiar vegetables and grains are reviewed.
- Explore the Kemper Center for Home Gardening in small groups led by one of our instructors to see how vegetables and other useful plants are grown in Missouri.
- Plant a seed to take home or to the classroom to observe as it grows.

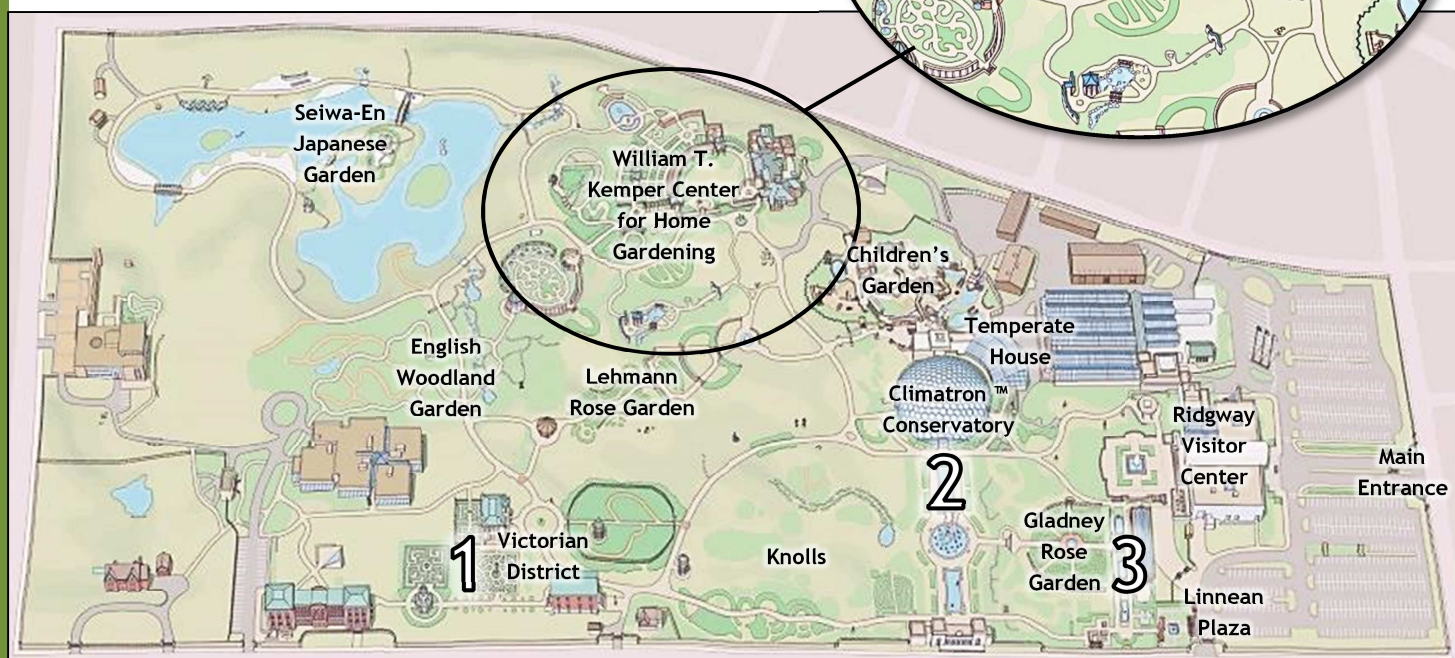
About the Book

Janet Stevens' Caldecott medal-winning sequel to Aesop's fable 'The Tortoise and the Hare' tells the next chapter in Hare's life. Pitting his cleverness against the laziness of his neighbor, Bear, Hare and his family use his knowledge of how plants grow to trick Bear and claim the best parts of their shared harvest. A fun and amusing read, this story provides a foundation upon which the program builds a connection between the familiar vegetables we eat and the plant parts they represent. Stevens is both the author and illustrator of this story.

This Program Features:

The William T. Kemper Center for Home Gardening

The William T. Kemper Center for Home Gardening includes 23 distinct demonstration gardens ranging from bird and butterfly gardens to an impressive vegetable garden and a garden for children! The outdoor portion of Tops and Bottoms brings students here to witness familiar food plants at different stages of growth, see their pollinators in action, and explore the flowers and trees that grow well in St. Louis' unique climate. Teachers are encouraged to consider the Kemper Center a resource for ideas when planning their own school gardens.



Other Places to Explore...

Make the most of your visit by taking your students to explore the following areas after your program:

1. **The Victorian District** - Visit Henry Shaw's country home and experience what life was like in St. Louis during the mid-1800s. Then enjoy the Kaiser Maze and the ornate Victorian gardens.
2. **The Climatron Axis** - Walk through a tropical rainforest and explore the interactive exhibits in the Brookings Interpretive Center. Don't miss the bog and Moorish gardens in the Schoenberg Temperate House!
3. **The Linnean House** - See one of the oldest greenhouses in the United States. Enjoy our camellia and succulent collections, and stroll through the Gladney Rose Garden.

Logistics for Teachers

- ✱ Each Tops and Bottoms program lasts 2 hours and serves a maximum of 60 students.
- ✱ Program fees include admission for up to six adults per 30 students. (Additional adults will be charged normal admission rates.) Please try to bring at least one adult for every five students.
- ✱ Groups booking this program may eat lunch in their assigned program space if they wish. (Please note that picnicking on the Garden's grounds is prohibited.)
- ✱ Program availability is limited! Book early!

For more information or to book this program, please visit www.mobot.org/schoolprograms or call the School Programs office at 314-577-5185.



MISSOURI BOTANICAL GARDEN

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