

Literature in the World of Science – Bibliography Form

Science Focus of Paired Books: Plants & Gardening

Fiction Paired Book Title: Tops & Bottoms by Janet Stevens (MidYork Regional Read)

Publisher: Harcourt, Inc. Copyright: 1995 ISBN: 978-0-15-2992851-3

Fiction Paired Book Title2: Granpa's Garden by Shea Arian

Publisher: Dawn Publications Copyright: 1996 ISBN: 1-883220-42-4

Non-Fiction Paired Book Title: 1. Roots, Shoots Buckets, and Boots by Sharon Lovejoy

Publisher: Workman Publishing Co Copyright: 1999 ISBN: 978-0761110569

Non-Fiction Paired Book Title: 2. Potatoes on Rooftops: Farming in the City by Hadley

Dyer (MidYork Regional Read) Publisher: Annick Press Copyright: 2012

ISBN: 978-1-55451-424-3

Activity Idea – short description:

How Does Your Garden Grow borrowed

from https://www.teachervision.com/tv/printables/TCR/0743936655_015-016.pdf

By making their own miniature garden, students can observe first hand how plants grow:

1. Have students get into groups. Distribute a magnifier to each student and a sample of birdseed. Let them examine the birdseed and describe what they see. Tell them that these seeds are too small to open up to see if each has a baby plant inside it. Ask them to think of a way to find out if there is a baby plant inside. Tell them that one way is to plant them in a small garden where they can be observed.
2. Provide each group with a pie pan, sponge, and about a tablespoon of birdseed. Let the students sprinkle their birdseed over the top of the sponge. Tell them they have just planted a small garden. Explain that these will be collected and placed on a table but will be returned to each group daily during the time they measure their lima bean and pinto bean plants. Explain that they will keep a daily record of changes they see in their gardens.
3. Distribute a copy of page 16 to each student to begin the recording of the sponge garden.

Full directions and journal page available at above URL or on the OHM SLS

Leatherstocking webpage.

Additional Resources:

Books (available in multiple book sets in Snap through O/H BOCES Media Services - check with your Media Services for similar title)

- Koontz, Robin. *Composting: Nature's Recyclers*. Picture Window Books 2007. 0-590-45030-1
- Stafford, Lilianna. *Amelia Ellicott's Garden*. Scholastic Australia 2000. 1-876289-33-3
- Ehlert, Lois. *Growing Vegetable Soup*. Scholastic 1987. 978-1-4048-2200-9
- Tunkin, David. *How Does My Garden Grow?* National Geographic Windows on Literacy 2003. 0-7922-4264-5
- Marzollo, Jean. *I'm a Seed*. Scholastic Hello REader Level 1 1996. 0-590-26586-5
- Krauss, Ruth. *The Carrot Seed*. 1945 Scholastic. 0-590-00386-0

Streaming Media (in Snap through O/H BOCES Media Services - check with your Media Services for similar titles)

- **The Garden as a Classroom** video, Senior High, 00:02:17, Pyramid, 2003 (Learn360)

- **Think Garden: A Year in the Garden** video, 00:03:36, (PBS LearningMedia)
- **Garden Plants & How They Grow**, video, Intermediate - Junior High, 00:10:48, Phoenix Learning Group, 1984 (New Dimensions CCC!)

Websites

Kids Gardening <http://www.kidsgardening.org/node/57720>

Growing Minds <http://growing-minds.org/lesson-plans/>