**RESOURCE LIST**

**PHONE APP**:

1. **EasyBib**<http://www.easybib.com/>
Best kept secret – fantastic way to scan in resources you find, create a bibliography list and email the citations to you.

**BOOKS:**

Bulion, Leslie, and Robert Meganck. *Leaf Litter Critters*. Atlanta, GA: Peachtree Publishers, 2018. (See #12 for related resources)

Burns, Loree Griffin, and Ellen Harasimowicz. *Citizen Scientists: Be a Part of Scientific Discovery from Your Own Backyard.* New York: Henry Holt and Company, 2013. (See #3, #4 & #9 for related resources)

Hirsch, Rebecca E. *The Monarchs Are Missing: A Butterfly Mystery*. Minneapolis: Millbrook Press, 2018. (See #3, #4 & #9 for related resources)

Milner, Charlotte. *The Bee Book*. NY, NY: DK Publishing, 2018.

Stewart, Melissa. *A Seed Is the Start*. Washington, D.C.: National Geographic, 2018. (See #6, #7 & #8 for related resources)

**WEBSITES**:

1. **Gulf of Maine Research Institute**
<https://www.gmri.org/>
This is a quintessential site for educational information about Maine’s ecosystem, cultivation of science literacy, support of sustainable seafood and coastal communities.
(Click on RESOURCES, then click on EDUCATION RESOURCES, scroll down to LEGACY CONTENT then click on ALL ABOUT LOBSTERS)
<http://www.gma.org/lobsters/index.html>
2. **U.S. Highbush Blueberry Council** (available in English and Spanish)
<http://www.blueberrycouncil.org>
Best kept secret – awesome video of the narrator riding in the blueberry picker! (click GROWING BLUEBERRIES, on the right scroll across to HOW BLUEBERRIES GROW and click, scroll down to the VIDEO)
<http://www.blueberrycouncil.org/growing-blueberries/how-blueberries-grow/>
<https://www.youtube.com/watch?v=nFFll3JuBLE>

**QUESTION:** Ever wonder why those tasty cranberries are harvested in bogs? What is a bog?

1. **Cape Cod Cranberry Growers' Association**
<http://www.cranberries.org/>
Watch the introductory video on the main page, it’s mesmerizing. An explanation of what a bog is can be found here - Click on “The Cranberry”, then on “How Cranberries Grow”.
Best kept secrets - “Exploring Cranberries” 3-part curriculum for grades 3 – 5. (Click on “The Cranberry”, then on “Parents & Teachers”.)
<http://www.cranberries.org/parents-and-teachers>
Ice Sanding information and slide show (Click on “The Cranberry”, then click on “How Cranberries Grow”, then click “Ice Sanding” and scroll down to video.)
<http://www.cranberries.org/how-cranberries-grow/ice-sanding>

**QUESTION:** Need some ideas for how to turn your students into citizen scientists?

1. **The Butterfly Website**<http://www.butterflywebsite.com/>
Do you want to participate in Citizen Science?
(Click “Conserve” and scroll down to click on “Join a Butterfly Count”.)
<http://www.butterflywebsite.com/butterfly-counts.cfm>
Best kept secrets – Prepared materials to use in the classroom. (Click “For Kids”, then click “Butterfly Games”, scroll down, click “Migrating Monarchs Crossword Puzzle”.)
<https://askabiologist.asu.edu/sites/default/files/monarchxw.pdf>(Click “For Kids”, then click “Butterfly Teaching Tools”, scroll down to “Monarch’s Spring Migration Lesson Plan” and click on “View Full Lesson”.)
<http://www.learner.org/jnorth/tm/monarch/MigrationRoutePrediction.html>
2. **Monarch Butterfly Life Cycle**
<https://youtu.be/Ry4hqn0WD60>
Narrated life cycle of a butterfly told from the butterfly’s point of view.

**QUESTION:** Would you like to use yoga to teach your students the parts of a plant?

1. **Washington Youth Garden**<http://www.washingtonyouthgarden.org/>
Best kept secrets – Plant Yoga – great activity for all ages (click RESOURCES:CURRICULUM, scroll down to PLANT YOGA, click on graphic to print)
<http://www.washingtonyouthgarden.org/curriculum/>
Free downloadable popcorn curriculum (click RESOURCES: CURRICULUM, scroll down to POPCORN LESSSON PLANS & HANDOUTS).
2. **Popcorn.org**
<http://www.popcorn.org/>
Best kept secret – “Popcorn in slow motion” video. (Hover over “Facts & Fun” then scroll to “Popcorn Videos”. Scroll over to “Popcorn in Slow Motion” and CLICK)
<http://www.popcorn.org/Facts-Fun/Popcorn-Videos>
3. **Abdo Kids – Seeds**<http://abdokids.com/seeds/>
Excellent simple video, by kids for kids, showing clearly how a plant grows from a seed.
(Scroll down and CLICK on “Watch a Video”) [May need to put in code – PSK1392]
4. **Smart Learning for All** (also has an APP available)
<https://www.smartlearningforall.com>
Best kept secret – this site has videos which clearly and simply convey a science based topic so that it is easy to understand.
(At the top click on ALL VIDEOS, then click the arrow in the red square, scroll down and click on BIOLOGY. Then scroll down and click on the square that says PHOTOSYNTHESIS.)<https://www.smartlearningforall.com/video/biology/12/photosynthesis>
5. **Plants-In-Motion**by Roger P. Hangarter, Indiana University, Department of Biology
Although not usually obvious compared to the relatively hyperactive activities of humans, plants are in constant motion.

Best kept secrets - Check out these amazing time lapse videos showing that plants are living organisms capable of some extraordinary things!

(Under Movie Categories click on “Tropisms”, then click on “Cool corn phototropism”.)
<http://plantsinmotion.bio.indiana.edu/plantmotion/movements/tropism/tropisms.html>

(Under Movie Categories click on “Circadian Responses”, then click on “Pulsing pumpkins”.)

<http://plantsinmotion.bio.indiana.edu/plantmotion/movements/leafmovements/clocks.html>

1. **NeoK12**
<http://www.neok12.com>
Best kept secret - Great introduction to different kinds of pollinators that will spark lots of discussion (From main page – find LIFE SCIENCE, scroll down to POLLINATION and click, scroll down to “The Beauty Of Pollination” and click)
<http://www.neok12.com/video/Pollination/zX4a705d4406575c55575c06.htm>
2. **GoNoodle.com – Go Bananas video**

<https://vimeopro.com/barnstormerpictures/barnstormer-reel/video/135385293>

Best kept secret - Fantastic way to get kids moving and laughing!

1. **Dig it! The Secrets of Soil**
<http://forces.si.edu/index.html>
Best kept secret - Interactive postcards from each state with detailed soil information. (Example - click DIG IT, scroll down to STATE SOIL INTERACTIVE and click)
<http://forces.si.edu/soils/interactive/statesoils/index.html>
2. **Bureau of Land Management – National Science and Technology Center**<https://www.blm.gov/nstc/soil/index.html>Soil Biological Communities – an excellent site that explores soil composition.
Older kids can CLICK on the left side tabs for details about soil communities.
Best kept secret – a kid friendly cartoon site filled with science info and activities!
(CLICK on the “Just for Kids” icon on the left side bar)
<https://www.blm.gov/nstc/soil/Kids/index.html>The “Amazing Facts” button uses easy comparisons to make the data easy to understand.
<https://www.blm.gov/nstc/soil/Kids/facts.html>
Under the “Fun Activities” button the COLORING button has sheets that are great for younger kids.
<https://www.blm.gov/nstc/soil/Kids/active.html>
3. **Worms at Work!**
<https://www.youtube.com/watch?v=n9Mnf9ysNSs&sns=em>

Best kept secret - Excellent video showing the work red wigglers do under the soil.

1. **Sun-Maid Raisins**
<http://www.sunmaid.com/>
Best kept secret – Video: Raisin Growing and Harvesting - How It Works.
(Click ABOUT SUN-MAID at the top, click THE SUN-MAID GIRL on the right side, then click on VIDEO LIBRARY in the left side. Scroll down to HISTORY and click on RAISIN GROWING AND HARVESTING.)
<https://www.youtube.com/watch?v=-iXOC560ptk>
2. **Peterson Farm Brothers**

<http://www.petersonfarmbros.com/index2.php#!/HOME>

Best kept secret – video parodies made by real farmers about what it really is like to farm.

(Click on YouTube Channel, scroll down to and click on “Our Farm Song (Cake by the Ocean, Stressed Out, Can't Stop the Feeling, Fight Song Parody)”.
<https://www.youtube.com/watch?v=OrCt3YVD1to>

**Session Evaluation**

**Finish these sentences:**

The usable innovative ideas or resources I discovered today were:

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I would also like to have heard about:

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The setting I work in and the age of the students I work with are:

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**EXTRA** - Could you help me find the following specific resources?

* Print resource
* Online

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* Please email me when you launch your new website/blog of ag resources