

Trees – FOSS by Delta

NOTE: These are sessions of Science instruction – not consecutive calendar days.

***Prior to beginning the module, review and ensure all safety contracts are signed and returned.**

Module Notes:

- Upon delivery, inventory entire module. Questions/issues: contact eriesciencematerials@gmail.com
- Investigation 1, Part 2: Try to get a tree for the class either through a donation or by digging up a small sapling growing wild and plant in a bucket.
- Investigation 1, Part 8: Plan a tree planting ceremony (see p. 36).
- Investigation 2: Gather leaves for leaf collection and collect catalogs and/or phone books for pressing leaves.

Session	Lesson	Comments	Preparation Notes	Teacher Notes
1	Administer District whole group Pre-Assessment		Copy Letter to Parents, Center Instruction Card Teacher sheet 2 and Science Journal Questions Student sheet 32 for each student. Prepare Word Bank and Content/Inquiry Charts p. 10. Plan for drawing trees (p. 9, step 4).	
2	Investigation 1, Part 1: Looking at Schoolyard Trees	This lesson may take two sessions. Complete steps 1-2, p.11.	Prepare for schoolyard walk (p. 10, step 9).	
3	Investigation 1, Part 1: Looking at Schoolyard Trees	Complete Steps 3-11, p. 11-14.	Copy Center Instruction Cards Teacher sheets 3-5. Bring in the classroom tree. Save circumference strings for Investigation 3, Part 9.	

4	Investigation 1, Part 2: A Tree Comes To Class	Literacy Extension: Prior to lesson, During Guided Reading/Science time read FOSS Science Story: "A Tree Comes to Class", p.17. First journal question from sheet 32 can be cut and glued into journal.	Copy Center Instruction Card Teacher sheet 6. Class Scrapbook (p. 17, step 8) you will need a camera to take pictures throughout the module.	
5	Investigation 1, Part 3: Tree Puzzles		Copy Center Instruction Card Teacher sheet 7 for each student. Copy one Teacher sheet 8.	
6	Investigation 1, Part 4: Tree-Silhouette Cards	Second journal question from sheet 32 can be cut and glued into journal.	Copy Center Instruction Card Teacher sheet 9. Optional reading: Obtain <i>Red Leaf, Yellow Leaf</i> (p. 26, step 4).	
7	Investigation 1, Part 5: Tree-Part Cards	Optional Literacy Extension: During Guided Reading/Science time read <i>Red Leaf, Yellow Leaf</i> .	Copy Student sheet 10 for each student, 1 Student sheet 11 and 1 Teacher sheet 12. You will need a camera for the next session.	
8	Investigation 1, Part 6: Tree-Part Booklets	Third journal question from sheet 32 can be cut and glued into journal.	Copy Teacher sheets 13 and 14. You will need a camera for the next session. Plan for field trip (p. 32, step 4).	

9	Investigation 1, Part 7: Adopt Schoolyard Trees		Copy Teacher sheet 3. Finalize plans for your tree-planting ceremony. You will need a camera for the next session.	
10	Investigation 1, Part 8: Plant The Class Tree		Prepare Extension materials.	
11	Investigation 1: Interdisciplinary Extensions	Investigation 1, p. 38-39	Copy Center Instruction Card Teacher sheet 15. Plan mini-field trip (p. 7, step 3).	
12	Investigation 2, Part 1: Leaf Walk	Fourth journal question from sheet 32 can be cut and glued into journal. Save pressed leaves for Investigation 2, Part 6.	Copy Student sheet 16 for each student. (p. 12, step 7) and 1 each of Teacher sheets 17, 18 and 19. Collect assorted leaves for Investigation 2, Part 2 (p. 11, step 6).	
13	Investigation 2, Part 2: Leaf Shapes	Fifth journal question from sheet 32 can be cut and glued into journal.	Copy Teacher sheets 20 (one image per student) and 21.	
14	Investigation 2, Part 3: Comparing Leaves	Literacy Extension: During Guided Reading/Science time read FOSS Science Story: "Where Do Trees Grow", p. 8-9.	Copy Center Instruction Card Teacher sheet 22, and Teacher sheets 42, 43 and 47.	

15	Investigation 2, Part 4: Leaf Silhouettes and Outlines	Sixth journal question, second question, from sheet 32 can be cut and glued into journal.	Copy Center Instruction Card Teacher sheet 23 and Teacher sheets 44-46 and 48.	
16	Investigation 2, Part 5: Leaf Silhouette Games		Retrieve pressed leaves from Investigation 2, Part 1. Copy Center Instruction Card Teacher sheet 24. Cut paper for leaf books (p. 27, step 3).	
17	Investigation 2, Part 6: Leaf Books	Seventh journal question from sheet 32 can be cut and glued into journal.	Prepare Extension Materials.	
18	Investigation 2: Interdisciplinary Extensions	Investigation 2, p. 29-31	Copy Center Instruction Card Teacher sheet 25. Prepare Charts (p.10, step 3). Obtain fruits, nuts, knife and nutcracker (p. 13, step 3) for Part 2.	
19	Investigation 3, Part 1: What Comes From a Fall Tree?	Students collect items outside (p. 11, step 3).	Copy Center Instruction Card Teacher sheet 26.	

20	Investigation 3, Part 2: Food From Trees	<p>Eighth journal question from sheet 32 can be cut and glued into journal.</p> <p>See p. 13, step 4 regarding allergies.</p>	<p>Copy Center Instruction Card Teacher sheet 27 (used again in Parts 6 and 9).</p> <p>You will need a camera for the next session.</p>	
21	Investigation 3, Part 3: Visiting Adopted Trees in Fall	<p>Literacy Extension: During Guided Reading/Science time read FOSS Science Story: "Trees", p.12.</p> <p>Students will draw their adopted tree in the Tree Folders from Investigation 1, Part 1.</p>	<p>Copy Center Instruction Card Teacher sheet 28.</p> <p>Make Evergreen samples (p. 20, step 3).</p>	
22	Investigation 3, Part 4: Winter Evergreen Hunt	<p>You will need a sharp knife to prepare twigs.</p> <p>Ninth journal question from sheet 32 can be cut and glued into journal.</p>	<p>Copy Center Instruction Card Teacher sheet 29.</p> <p>Gather Twigs (p. 23, steps 3-4).</p> <p>Optional reading: Obtain <i>Our Very Own Tree</i>, (p. 24, step 1).</p>	
23	Investigation 3, Part 5: Winter Twigs	<p>Optional Literacy Extension: During Guided Reading/Science time read <i>Our Very Own Tree</i>.</p>	<p>You will need a camera for the next session.</p> <p>Optional reading: Obtain <i>The Secret Life of Trees</i> (p. 26, step 3).</p>	
24	Investigation 3, Part 6: Visiting Adopted Trees in Winter	<p>Optional Literacy Extension: During Guided Reading/Science time read <i>The Secret Life of Trees</i>.</p> <p>Students will need their drawing folder to add the winter tree.</p>	<p>Obtain 10 assorted twigs, 2-liter soda bottles and gravel or small rocks (p. 30, steps 3-4).</p>	

25	Investigation 3, Part 7: Forcing Spring Twigs		Copy Center Instruction Card Teacher sheet 31. Prepare bark photograph (p. 33, step 3). You will need a camera for the next session.	
26	Investigation 3, Part 8: Spring Bark Hunt		Copy Center Instruction Card Teacher sheet 27. You will need a camera for the next session. Obtain circumference strings from Investigation 1, Part 1.	
27	Investigation 3, Part 9: Visiting Adopted Trees in Spring	Students will need their drawing folder to add the spring tree. Tenth journal question from sheet 32 can be cut and glued into journal.	Prepare Extension Materials.	
28	Investigation 3: Interdisciplinary Extensions	Investigation 3, p. 39-40		
29	Administer District whole group Post-Assessment			
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