Identifying Trees Indigenous to Monmouth County, NJ

Grade 3

Copy of Lesson Plan

Trees

NJ Trees Scavenger Hunt

Scheduled to be taught on 06/04

Standards

03.MD.02, Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l).6 Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.
1.21 Grade 3 CPI 3.1, Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.
1.21 Grade 3 CPI 3.2, Use evidence to support the explanation that traits can be influenced by the environment.

Objective

SWBAT complete an internet scavenger hunt searching for trees indigenous to New Jersey and complete a recording sheet categorizing the types of trees and their attributes.

Essential Questions

What trees are indigenous to New Jersey (Monmouth County)?

Anticipatory Set/Direct Instruction

-Book read-aloud on Youtube: https://www.youtube.com/watch?v=c5p-fuvUYBM

-Visuals/Vocabulary

Learning Activities

1. Students will research the Internet for trees indigenous to New Jersey; Monmouth County specifically.

2. Based on the students' findings, they will complete a recording sheet categorizing the types trees and the following information: tree, leaf type, deciduous/coniferous (evergreen), seed.

3. Leaf Sorting/Leaf Rubbing Activity to be completed and uploaded to Seesaw or Class Dojo as a picture.

4. **Extension:** To promote and incorporate cross-curriculum, Math specifically, the students will find the weight of leaf/needle, and/or seed pod (acorn/pine cone)

Closure

-Students will turn in (electronically) their findings noted on the recording sheet and leaf sorting/leaf rubbing activity.

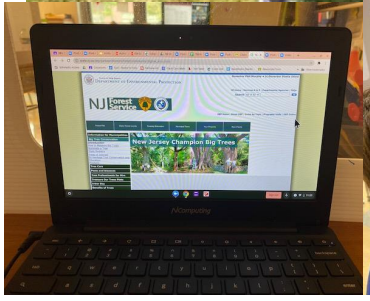
Standards Addressed in Lesson

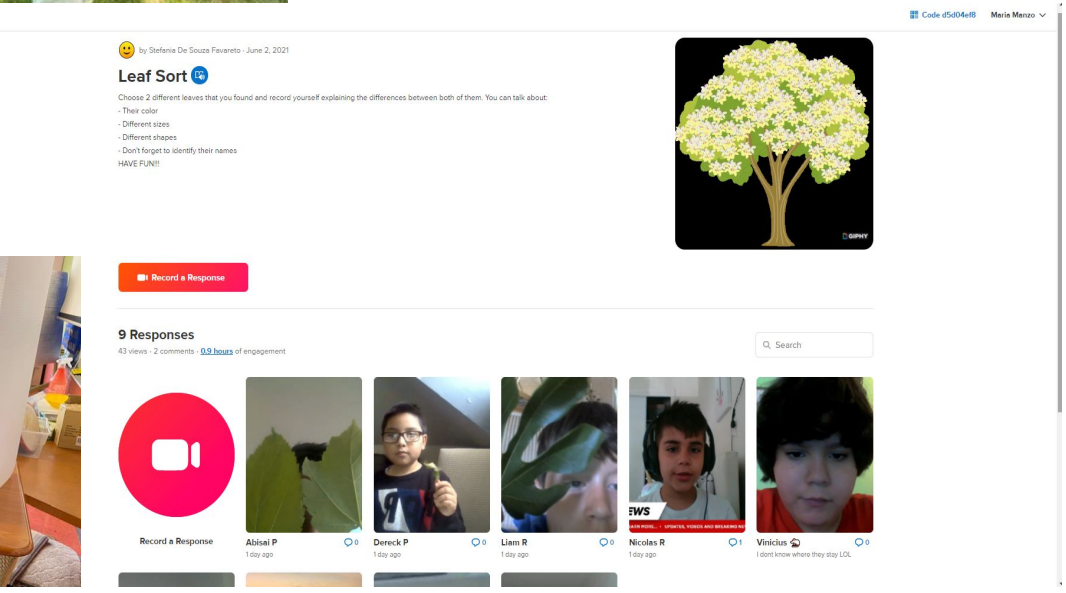
Science: 1.21 Grade 3 CPI 3.1, Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.

Science: 1.21 Grade 3 CPI 3.2, Use evidence to support the explanation that traits can be influenced by the environment.

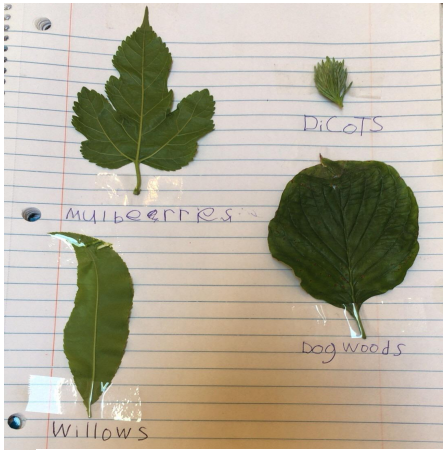
Math Extension: 03.MD.02, Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l).6 Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.

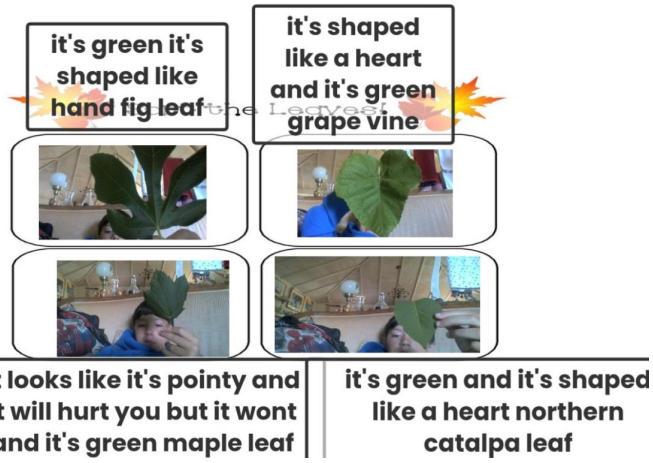
Students Working

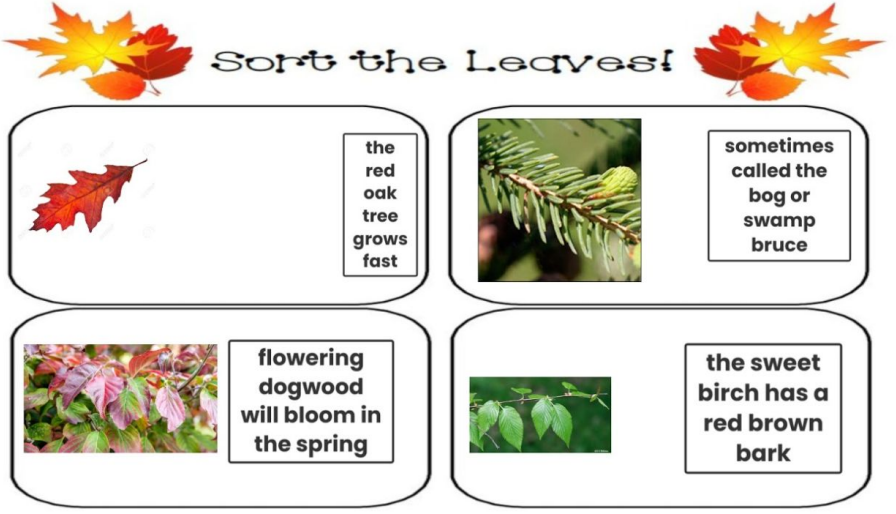




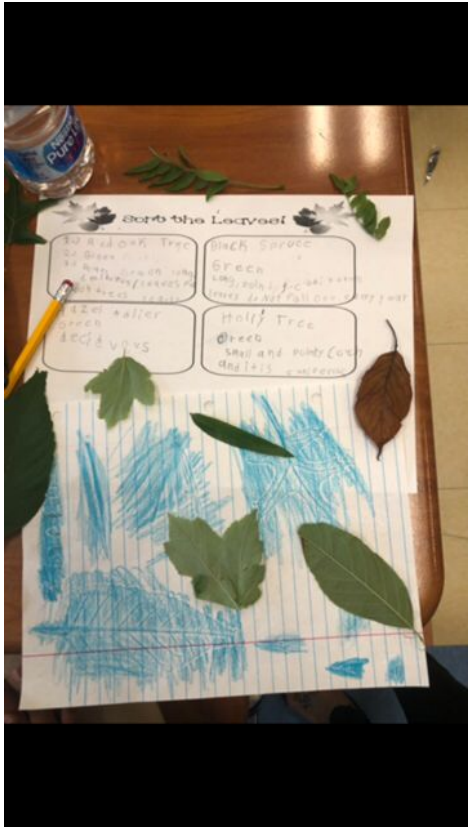
Samples of Student work

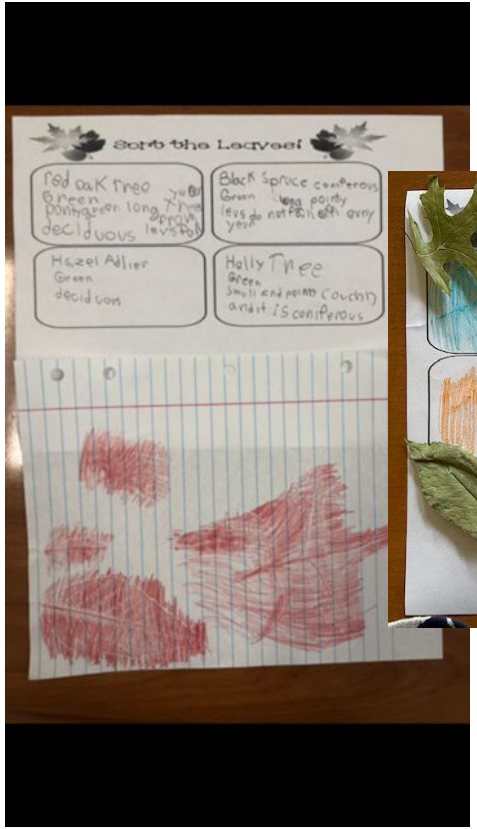


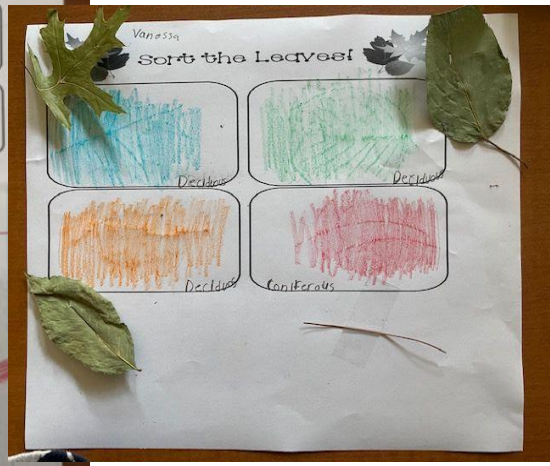




Samples of Leaf Rubbings







Samples Graded Rubrics

Name: [redacted] **Date:**

Leaf Key/Rubbing Collection Rubric

Criteria	4	3	2	1
Identify tree leaf rubbings; example: Maple, Oak, Pine...	Identify 4 different leaves from 4 different trees.	Identify 3 different leaves from 3 different trees.	Identify 2 different leaves from 2 different trees.	Identify 1 leaf.
Give characteristics of leaves.	Characteristics of 4 different leaves.	Characteristics of 3 different leaves.	Characteristics of 2 different leaves.	Characteristics of 1 leaf.
Completed "Tree Key"	Included 4 different trees.	Included 3 different trees.	Included 2 different trees.	Included 1 tree.
Included Leaf Weight Data	Included weight data of 4 different leaves.	Included weight data of 3 different leaves.	Included weight data of 2 different leaves.	Included weight data of 1 leaf.

Total Score: 3.25

Name: [redacted] Date:

Leaf Key/Rubbing Collection Rubric

Criteria	4	3	2	1
Identify tree leaf rubbings; example: Maple, Oak, Pine...	Identify 4 different leaves from 4 different trees.	Identify 3 different leaves from 3 different trees.	Identify 2 different leaves from 2 different trees.	Identify 1 leaf.
Give characteristics of leaves.	Characteristics of 4 different leaves.	Characteristics of 3 different leaves.	Characteristics of 2 different leaves.	Characteristics of 1 leaf.
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Included Leaf Weight Data	Included weight data of 4 different leaves.	Included weight data of 3 different leaves.	Included weight data of 2 different leaves.	Included weight data of 1 leaf.

Total Score: 3

Name: [redacted] Date:

Leaf Key/Rubbing Collection Rubric

Criteria	4	3	2	1
Identify tree leaf rubbings; example: Maple, Oak, Pine...	Identify 4 different leaves from 4 different trees.	Identify 3 different leaves from 3 different trees.	Identify 2 different leaves from 2 different trees.	Identify 1 leaf.
Give characteristics of leaves.	Characteristics of 4 different leaves.	Characteristics of 3 different leaves.	Characteristics of 2 different leaves.	Characteristics of 1 leaf.
Completed "Tree Key"	Included 4 different trees.	Included 3 different trees.	Included 2 different trees.	Included 1 tree.
Included Leaf Weight Data	Included weight data of 4 different leaves.	Included weight data of 3 different leaves.	Included weight data of 2 different leaves.	Included weight data of 1 leaf.

Total Score: 3.75

Name: [redacted] Date:

Leaf Key/Rubbing Collection Rubric

Criteria	4	3	2	1
Identify tree leaf rubbings; example: Maple, Oak, Pine...	Identify 4 different leaves from 4 different trees.	Identify 3 different leaves from 3 different trees.	Identify 2 different leaves from 2 different trees.	Identify 1 leaf.
Give characteristics of leaves.	Characteristics of 4 different leaves.	Characteristics of 3 different leaves.	Characteristics of 2 different leaves.	Characteristics of 1 leaf.
Completed "Tree Key"	Included 4 different trees.	Included 3 different trees.	Included 2 different trees.	Included 1 tree.
Included Leaf Weight Data	Included weight data of 4 different leaves.	Included weight data of 3 different leaves.	Included weight data of 2 different leaves.	Included weight data of 1 leaf.

Total Score: 4