

4th Grade 'Seasons of Change' Data Collection Notebook

2019-2020

Data Collection Check List:

1. Collect a bucket of water
2. Stake out your plot on the ground (pin flag should be in the middle of the square)
3. Measure salinity with the hydrometer
4. Measure temp of the water; Measure temp of the air; Measure temp of the soil
5. Use the soil sampling tool to collect soil sample; put in provided plastic bag
6. Write and draw your observations (3 pages: Natural Object, Landscape, Nature Journal)
7. Take a walk – on the boardwalk, levee, go out to the floating dock and the water control structure – look for your group bird. Make notes about how many and what habitat you observed them in.

This notebook
belongs to:

SALINITY: How Salty is the Water?

Fall	PREDICTION	<u>ACTUAL</u>
	This measurement was HIGHER LOWER than what I predicted.	
Winter	PREDICTION	<u>ACTUAL</u>
	This measurement was HIGHER LOWER than what I predicted. Salinity INCREASED DECREASED since last time.	
Spring	PREDICTION	<u>ACTUAL</u>
	This measurement was HIGHER LOWER than what I predicted. Salinity INCREASED DECREASED since last time.	

Soil Temp

Air Temp

Water Temp

	PREDICTION	<u>ACTUAL</u>	PREDICTION	<u>ACTUAL</u>	PREDICTION	<u>ACTUAL</u>
Fall						
Winter	PREDICTION	<u>ACTUAL</u>	PREDICTION	<u>ACTUAL</u>	PREDICTION	<u>ACTUAL</u>
Spring	PREDICTION	<u>ACTUAL</u>	PREDICTION	<u>ACTUAL</u>	PREDICTION	<u>ACTUAL</u>

Birds-How Many Birds? Where are they?

<p style="text-align: center;">Fall</p>	<p>What Habitat Is your Bird In (Actual)?</p> <p>MARSH</p> <p>SALT POND</p> <p>SLOUGH</p> <p>MUD FLAT</p> <p>UPLAND</p>	<p style="text-align: center;">Prediction</p>	<p style="text-align: center;"><u>Actual</u></p>
<p style="text-align: center;">Winter</p>	<p>What Habitat Is your Bird In (Actual)?</p> <p>MARSH</p> <p>SALT POND</p> <p>SLOUGH</p> <p>MUD FLAT</p> <p>UPLAND</p>	<p style="text-align: center;">Prediction</p>	<p style="text-align: center;"><u>Actual</u></p>
<p style="text-align: center;">Spring</p>	<p>What Habitat Is your Bird In (Actual)?</p> <p>MARSH</p> <p>SALT POND</p> <p>SLOUGH</p> <p>MUD FLAT</p> <p>UPLAND</p>	<p style="text-align: center;">Prediction</p>	<p style="text-align: center;"><u>Actual</u></p>

Natural Object Observations

Fall	Circle the Objects you See: Scat Shells Webs Salt-Crystals Plants Animal tracks Rocks	DRAW and LABEL an Interesting Object you Observed
Winter	Circle the Objects you See: Scat Shells Webs Salt-Crystals Plants Animal tracks Rocks	DRAW and LABEL an Interesting Object you Observed
Spring	Circle the Objects you See: Scat Shells Webs Salt-Crystals Plants Animal tracks Rocks	DRAW and LABEL an Interesting Object you Observed

Landscape Observations- Draw the View in each Direction

FALL

NORTH

SOUTH

EAST

WEST

Landscape Observations- Draw the View in each Direction

WINTER

NORTH

SOUTH

EAST

WEST

Landscape Observations- Draw the View in each Direction

SPRING

NORTH

SOUTH

EAST

WEST