

## Attachment 13: Elementary Student Self-Report Items

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#### Pre/Post Matching Code

Assign each student a unique code for matching pre- and post-tests.

Connection with Nature				
Choose one answer for each statement.				
	Not at all	A little	A lot	Not sure
I like being in nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like to spend time outdoors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like sitting in sand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like sitting in grass	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I'm OK with getting my hands dirty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I'm OK with sticking my hand in river water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I'm OK with stepping in mud	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like to touch water insects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like to touch living fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking through a creek sounds like fun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Picking through algae from a pond sounds like fun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Now you're going to answer some questions about local bodies of water. Examples of local bodies of water are streams, rivers, lakes, bays, and the ocean.

Connection to Water				
Choose one answer for each statement.				
	Not at all	A little	A lot	Not sure
I like to learn about my local body of water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I search for information to learn about my local body of water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to explore my local body of water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I care about my local body of water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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<b>Science Inquiry Skills</b>			
Do you know how to do these things?			
	No	Yes	Not sure
Create science questions that you could answer by collecting data (measurements)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make predictions or hypotheses?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collect data (measurements) or use data collected by someone else?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analyze the data and figure out what it means?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make conclusions about what you found out?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Present to others what you found out about your science question?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<b>Conserve Water</b>			
Choose one answer for each statement.			
	No	Yes	Not sure
To conserve water, I would be willing to use less water when I shower or take a bath	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To conserve water, I turn off the water while I was my hands	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To conserve water, I turn off the water while I brush my teeth	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<b>Science Engagement</b>			
Choose one answer for each statement.			
	No	Yes	Not sure
I usually do well in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would like to take more science in school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy learning science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I learn things easily in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would like a job that involves using science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I need to do well in science to get the job I want	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Knowledge of Issues				
Choose one answer for each statement.				
	Nothing	A little	A lot	Not sure
The loss of forests and other plants along streams and rivers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High levels of nutrients in water and where they come from	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The loss of important habitats such as wetlands and underwater plants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High levels of sediment (soil) in the water and where it comes from	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Intention to Act			
Within the next year, I plan to ...			
	No	Yes	Not sure
Help clean up or take care of a local stream, river, or beach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participate in a restoration activity such as planting trees or removing invasive plants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tell others about ways they can protect a local body of water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conserve water at home or school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Locus of Control			
Choose one answer for each statement.			
	No	Yes	Not sure
By working on your own, do you think you can help protect a local body of water?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
By working with others, do you think you can help protect a local body of water?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### POST-TEST ONLY!

Branching Questions
Did you learn about a local body of water and the land that drains into it during this school year?
<input type="radio"/> No
<input type="radio"/> Yes
<input type="radio"/> Not sure

<b>If responded Yes</b> to “Did you learn about a local body of water and the land that drains into it during this school year?”, then respond to this question:
When you learned about a local body of water and the land that drains into it, did you go outside?
<input type="radio"/> No
<input type="radio"/> Yes
<input type="radio"/> Not sure

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**If responded Yes** to “When you learned about a local body of water and the land that drains into it, did you go outside?” then answer this question:

When you went outside to learn about a local body of water and the land that drains into it, did you go out ... (choose one)

- On the school property
- To an area within walking distance of school
- To an area you had to take a car or bus to get to

**If responded Yes** to “When you learned about a local body of water and the land that drains into it, did you go outside?”, then respond to this question:

Choose one answer for each statement.

### Satisfaction

	Not at all	A little	A lot	Not sure
I liked learning about a local body of water and the land that drains into it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It was fun to learn about a local body of water and the land that drains into it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I liked to do the things we did outside while we were learning about a local body of water and the land that drains into it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I wish we would have spent more time learning about a local body of water and the land that drains into it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**If responded Yes** to “When you learned about a local body of water and the land that drains into it, did you go outside?”, then respond to this question:

### Preparation/Action/Reflection

Choose one answer for each statement.

	No	Yes	Not sure
BEFORE we went outside to learn, we talked about what we were going to do outside.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
While we were outside, I spent time collecting samples or taking measurements.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
While we were outside, I spent time helping to protect the area.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AFTER we had gone outside, I had a chance to talk with my teacher and other students about what we did and learned.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Demographics
What grade are you in?
<input type="radio"/> Grade PreK, 1, 2, or 3
<input type="radio"/> Grade 4
<input type="radio"/> Grade 5
<input type="radio"/> Grade 6
<input type="radio"/> Grade 7
<input type="radio"/> Grade 8
<input type="radio"/> Grade 9, 10, 11, or 12

In science, do you usually get...
<input type="radio"/> Mostly A's?
<input type="radio"/> Mostly B's?
<input type="radio"/> Mostly C's?
<input type="radio"/> Mostly D's or below?
<input type="radio"/> Our school does not give this type of grades
<input type="radio"/> I prefer not to answer

Do you identify as (check all that apply):
<input type="checkbox"/> Hispanic or Latino
<input type="checkbox"/> American Indian or Alaska Native
<input type="checkbox"/> Asian
<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or other Pacific Islander
<input type="checkbox"/> White
<input type="checkbox"/> Other
<input type="checkbox"/> I prefer not to answer

Do you mostly speak English at home?
<input type="radio"/> No
<input type="radio"/> Yes
<input type="radio"/> I prefer not to answer

Are you ....
<input type="radio"/> Male
<input type="radio"/> Female
<input type="radio"/> I prefer not to answer