

Scoring Rubric

South Cove Inquiry

Name: _____



Temperature: _____

Weather: _____

Low Tide: _____

Time: _____

WHY are we here?

Throughout the year we have studied islands. An island is a piece of land smaller than a continent and entirely surrounded by water. Since we are not able to access any islands near our school we are going to explore the tide pools of South Cove.

Tide pools, like islands, are isolated. The word isolated means a person, organism, or group that has been separated, as by geographic, ecologic, or social barriers from others.

You will construct your own inquiry dealing with the tide pools at the South Cove. You will work independently, with a partner, and in a small group to complete the inquiry. Be prepared to share your results with the rest of the class at a later date.

Materials that will be available for you to use include the following:

- Meter stick
- Ruler
- Thermometer
- refractometer.-measures salinity
- magnifying glass
- tape measure
- clipboard
- Tide pool identification card

Notes and Drawings

Questions

As you observed the tide pools what questions have you come up with? (Need help-What could you investigate using the tools that you have?)

Results and Conclusions Continued

What other questions or different ideas do you have after looking at the results?

What would you test next time?

Are there any other comments or thoughts you would like to share?

Results and Conclusions

If needed, use a separate sheet of paper.

What does your data tell you?

Was your hypothesis correct? Why?

(Be specific and use complete sentences.)

What would you do differently if you did this inquiry again? (Be specific and use complete sentences.)

Hypothesis

Which **testable** question does your group want to investigate? (You need to collect and graph data.)

Predictions

What do you think will happen? Why? Be specific.

Final Hypothesis

This is the hypothesis that you are going to test; it does not have to be exactly the same as those of your other group members.

Materials

List all the materials that you will need to complete this inquiry.

Graph Your Data

Don't forget to label axes, units (cm or Celsius), the title, and a key. (Graph types-line, bar, or pictograph)

Procedure

List how you are going to carry out your inquiry. Your procedure needs to be specific enough, so that someone else could use your steps and replicate the same data.

Notes and Drawings

List of Ten Common Organisms Present in the Tide pools at South Cove

1. Anemone
2. Hermit Crab
3. Snail
4. Fish (Tide Pool Scuplin)
5. Coralline Alga
6. Purple Sea Urchin
7. Shore Crab
8. Rainbow Seaweed
9. Starfish
10. Mussel

Notes and Drawings

Tide Pool Etiquette

As we observe organisms remember to be respectful. Carefully touch and examine them without causing harm. Place them gently back where they came from. After turning over rocks to observe organisms, please make sure to gently return the rock to its original position. We **must** leave the tide pools as we found them. **Do Not** remove plants or animals from their habitat.

Notes and Drawings

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