

Final Paper Details and Scoring Rubric

- There are two parts to this final paper. 125 points total
 - Part 1 is a partner assignment. It details the final design of your activity. You should work on this part with your partner since this is the activity you have been building together (approximately 5-7 pgs, 1" margins, 12pt font, single spaced). **50 points**
 - Part 2 is an individual assignment. It is an opportunity for you to demonstrate your understanding of the ideas from this course by providing a written review of your own activity, which includes responding to feedback from your peers and instructors (approximately 1,500 words, 12pt font) **75 points**
- Submit the assignment as a Word document via bCourses.
- **This is an individual submission and each student should turn in Part 1 and Part 2.**
- **Part 1 will be identical to your partners. Part 2 is an individual assignment and should be very different from your partner.**

Part 1: The activity design is written with your partner, so it should be identical. Use the COSIA Exemplar write-ups as your sample to organize this part. Be sure to include the similar information that we provided to you for each of the sections.

Part 2: This is your individual review of what you have learned, how it's applied in your activity, and how you used feedback from your peers and instructors to make improvements. This can be written in narrative form.

Part 1. ACTIVITY WRITE-UP (50 points)

Full points given for clarity and completeness; use the COSIA Activity Exemplar as a model

List both partners' names

Name of your activity

1. **Synopsis of the Activity.** Please provide 2-3 sentences that summarizes your activity. **3 points**
2. **Audience.** Who is the main target audience of this activity? e.g., The general public? Learners under 10 years old? Adult audiences? Please explain. **3 points**
3. **Activity (Learning) Goals.** Please describe your goals for this Activity. These might include things like "Opportunity to interact with animals," "Investigate using hands-on inquiry," "Promote a deeper appreciation for _____." **3 points**
4. **Concepts.** What science concepts are you addressing with the activity? **4 points**
5. **Ocean Literacy Principles.** Which Ocean Literacy Principles connect to this activity? **3 points**

6. **Materials.** Provide a list of all the materials that you will need for the activity. 3 points
7. **Preparation and Set-up.** What will you need to prep before the activity? How do you set up your activity on the floor? How have you designed your activity to catch the interest of visitors passing by? 5 points
8. **Guiding Questions.** What are some questions that will help guide the visitors to a deeper understanding of the topic and concepts? Indicate which questions you plan to ask learners to check for prior knowledge, engage them in the activity, encourage discussion and to check for understanding? 8 points
9. **Activity Description.** Please summarize your activity by providing a narrative description of how you do your activity, including how you handle visitors dropping in and out at different times. 13 points
10. **Vocabulary.** Key terms that will be defined and used in the activity. 2 points
11. **Science background.** 3 points

Part 2. CRITICAL REVIEW OF YOUR ACTIVITY & FACILITATION (75 points)

Full points given for clarity, completeness, and providing details and examples.

1. **PRIOR KNOWLEDGE.** Describe specifically how you attempted to connect learners' prior knowledge to your activity. Please also respond to what your classmates and instructors said about how you connect to prior knowledge in your activity design and presentations. Why might it be important to connect to visitors' prior knowledge? (10 points)
2. **CONVERSATION.** Describe how you promoted discussions with the learners. What was the pattern of talk you engaged in? [educator monologue, IRE/IRF, reflective discourse] How did the conversation help learners to understand the concepts you were trying to teach? Please provide examples. Also respond to what your classmates and instructors said about how you engaged in conversations with the learner. Why does it matter what the pattern of talk is? (10 points)
3. **ENGAGEMENT.** Describe how you engaged learners in **doing something** during the activity. What specifically did the learners get to do in the activity? How did the **doing** help learners to understand the concepts you were trying to teach? Please be specific. Also respond to what your classmates and instructors said about learners getting to do something in your activity. (10 points)

4. **FACILITATION.** How well do you think you facilitated the learning experience to encourage learners to engage with the objects and activity? Provide specific examples. Respond to the suggestions made by your classmates. (5 pts)
5. **OVERALL.** What particular aspects of the activity do you think made it effective? What is your evidence? If you had more time, what revisions would you like to make to your activity to make it more effective? Please explain why you would make these revisions. If no revisions, why not? Also respond to what your classmates and instructors said about your overall activity. (10 points)
6. **LEARNING CYCLE.** What parts of the Learning Cycle did you include in your activity? Please provide examples and also respond to what your reviewers said about this aspect of your activity. [Invitation -> Exploration -> Concept Invention -> Application -> Reflection] (10 points)
7. **LEARNING.** How well do you think you helped learners build an understanding of the science concepts? What evidence do you have that visitors learned something? What do you think they learned, and was it what you intended? What would you do differently to help them learn? Also respond to the suggestions that your classmates and instructors provided. (10 points)
8. **REFLECTION.** This is totally open-ended and these ideas are only included as examples of what you might write about. Don't be constrained by these ideas though. What do you think is the most important or interesting thing you learned about in this class? In what ways do you think you might use some of what you learned in the future?) Please explain your answer. (10 points)