Assessment Rubric

1 = Not apparent
2 = Beginning to consolidate
3 = Consolidating
4 = Established

Learning Outcomes	Indicators	Specific Indicators	Attainment			
			1	2	3	4
Knowledgeable Person	• Use appropriate equipment and tools • Use specific knowledge, process and skills to make decisions and understand concepts	• Determine the appropriate equipment to separate oil from water solution. • Use appropriate terminology and analogies to explain their understandings of the necessity for a clean and healthy water system.				
Complex Thinker	• Solve problems • Make decisions and generalizations Evaluate and synthesis	• Determine a separation technique that would be practical to use in real life. • Determine limitations of the technique. • Give a detailed explanation of the effects of oil pollution.				
Creative Person	• Find alternative solutions to situations/problems. • Create products, systems &performances.	• Determine alternative materials to utilize their technique in a real life situation.				
Active Investigator	• Initiate enquiries and pose problems. • Gather appropriate information. • Draw conclusions. • Justify answers and conclusions.	• Be given a problem and devise a suitable plan of attack to accomplish a given goal. • Gather appropriate data and use it to support recommendations. • Use prior knowledge to design an appropriate separation technique.				
Effective Communicator	• Use a variety of mediums to convey and comprehend information. • Construct and reconstruct meaning.	• Translate information they have learned to a suitable audience. • Presentation of model and information in written/oral forms.				
Participants in an Interdependent World	• Work in teams cooperatively to achieve a common goal. • Self directed. • Accept alternatives including opinions, beliefs and values.	• Work as a group to gather and collate information. • Work independently to produce a final report. • Determine what needs to be learned and determine how to gather the information as a team and independently.				
Reflective and Self Directed	• Evaluate and justify decisions. • Reflect on what has been learned and transfer the information.	• Evaluate and justify the final design including recommendations for improvement. • Relate what they have learned about oil spills to discuss a practical solution.				

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