

Figure 6
Rubric for activity 3

	Unacceptable	Acceptable	Exemplary	Score
Collaboration and teamwork within group	Did not collaborate with group. Did not work well with teammates. Little to no effort.	Worked well with teammates and shared in collaboration. Put forth normal effort.	Went beyond expectations and worked exceptionally well with team. Put forth immaculate effort in collaboration.	
Accuracy of calculations/data	Little to no accuracy	Most answers are accurate with some error	All calculations and data are accurate	
Write -up for the activity	Write-up is poorly constructed. Does not address all aspects of activity. Too vague when answering questions.	Write-up addresses most aspects of the activity and answers the questions acceptably.	Write-up addresses all aspects of the activity and answers questions efficiently	
Barge design	Did not spend enough time or put forth enough effort in the design of the barge	Spent adequate time planning barge design and put forth acceptable effort.	Put forth exceptional effort in planning barge design and adequately managed time.	

Figure 7
Extra credit checklist for extension in activity 3

Rating Key: 1. Unsatisfactory 2. Satisfactory 3. Excellent

	Rating (Circle)	Comments
Effort displayed	1 2 3	
Collaboration with team	1 2 3	
Accuracy of calculations	1 2 3	
Reasoning behind findings	1 2 3	