

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:

Increase

Decrease

No Change

Pre- and post-REP surveys are distributed to each participating teacher and are written for different grade levels: 4, 5-6, 7, or 8-12. Schools in the program that have numerous grade levels participating are given the appropriate mix so that each student has the ability to take the proper survey. Pre-REP surveys that do not have a matching post-REP survey (and vice-versa) are enumerated separately, but are not included in overall calculations. This ensures that the assessments are balanced and accurate, though it also can mean some schools' data reflect more/less students who actually participated in the program than in the surveys because they missed either the sampling day or the survey distribution. Below is the compiled assessment of each survey along with individual assessments of each school that returned their materials.

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

4th Grade Pre-/Post-REP Survey Analysis

Overall, the REP had four classes participating at the 4th grade (survey) level. Of these, three completed their pre- and post-REP student surveys.
 Below are the combined results, followed by the individual results for each school.

4th Grade Evaluations Overall Summary

Boys- 55 Girls- 65 Total- 120

		Boys- 55	Girls- 65				Total- 120
1.	<i>What do we do to find out if water is polluted?</i>						
	Pre-Survey	Correct: 58	Incorrect: 62	Percent: 48		Percent Difference: 49% Increase	
	Post-Survey	Correct: 116	Incorrect: 4	Percent: 97			
2.	<i>What is something a river needs to be healthy?</i>						
	Pre-Survey	Correct: 117	Incorrect: 3	Percent: 98		Percent Difference: 1% Increase	
	Post-Survey	Correct: 117	Incorrect: 1	Percent: 99			
3.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	N/A
	Pre-Survey	70	37	9	0	2	2
	Post-Survey	73	34	11	0	1	1
4.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	N/A
	Pre-Survey	86	24	4	2	1	3
	Post-Survey	88	26	6	0	0	1

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Key:
Increase
Decrease
 No Change

4th Grade Evaluations Summary Report: Achieve Charter Academy

Boys- 37

Girls- 41

Total- 78

4 th Grade Evaluations Summary Report: Achieve Charter Academy							
Boys- 37		Girls- 41		Total- 78			
1.	<i>What do we do to find out if water is polluted?</i>						
	Pre-Survey	Correct: 48	Incorrect: 30	Percent: 62%	Percent Difference: 35% Increase		
	Post-Survey	Correct: 76	Incorrect: 2	Percent: 97%			
2.	<i>What is something a river needs to be healthy?</i>						
	Pre-Survey	Correct: 77	Incorrect: 1	Percent: 99%	Percent Difference: No Change		
	Post-Survey	Correct: 77	Incorrect: 1	Percent: 99%			
3.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	N/A
	Pre-Survey	43	25	6	0	2	2
Post-Survey	45	23	8	0	1	1	
4.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	N/A
	Pre-Survey	51	18	4	2	1	2
Post-Survey	51	21	5	0	0	1	

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 No Change

4th Grade Evaluations Summary Report: Salem Elementary School

Boys- 18

Girls- 23

Total- 41

1. *What do we do to find out if water is polluted?*

Pre-Survey	Correct: 9	Incorrect: 32	Percent: 22%
Post-Survey	Correct: 39	Incorrect: 2	Percent: 95%

Percent Difference: 73% Increase

2. *What is something a river needs to be healthy?*

Pre-Survey	Correct: 39	Incorrect: 2	Percent: 95%
Post-Survey	Correct: 41	Incorrect: 0	Percent: 100%

Percent Difference: 5% Increase

3. *How do you feel about science?*

	Love It	Like It	Neutral	Dislike It	Hate It	N/A
Pre-Survey	26	12	3	0	0	0
Post-Survey	27	11	3	0	0	0

4. *How do you feel about participating in this project? // How did you feel about participating in this project?*

	Very Excited	Excited	OK	Not So Excited	Not Excited At All	N/A
Pre-Survey	34	6	0	0	0	1
Post-Survey	36	4	1	0	0	0

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Increase
Decrease
 No Change

4th Grade Evaluations Summary Report: Steppingstone School

Boys- 0

Girls- 1

Total- 1

1. *What do we do to find out if water is polluted?*

Pre-Survey	Correct: 1	Incorrect: 0	Percent: 100%	Percent Difference: No Change
Post-Survey	Correct: 1	Incorrect: 0	Percent: 100%	

2. *What is something a river needs to be healthy?*

Pre-Survey	Correct: 0	Incorrect: 0	Percent: 100%	Percent Difference: No Change
Post-Survey	Correct: 1	Incorrect: 0	Percent: 100%	

3. *How do you feel about science?*

	Love It	Like It	Neutral	Dislike It	Hate It	N/A
Pre-Survey	1	0	0	0	0	0
Post-Survey	1	0	0	0	0	0

4. *How do you feel about participating in this project? // How did you feel about participating in this project?*

	Very Excited	Excited	OK	Not So Excited	Not Excited At All	N/A
Pre-Survey	1	0	0	0	0	0
Post-Survey	1	0	0	0	0	0

Rouge Education Project Student Evaluation Summary Report – Spring 2013

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5-6th Grade Pre/Post Survey Analysis

Overall the Rouge Education Project had 10 participating 5th or 6th grade classes. Of these, nine completed the pre- and post-REP surveys. Below are the combined results followed by individual results for each school.

5 th -6 th Grade Evaluations							
Overall Summary							
Boys- 204	Girls- 201	5 th Grade- 236	6 th Grade- 169	1 st Time- 351	Total- 405		
1. What is a river?							
Pre-Survey	Correct: 369	Incorrect: 36	Percent: 91%		Percent Difference: 1% Increase		
Post-Survey	Correct: 374	Incorrect: 31	Percent: 92%				
2. What do we do to examine the health of the river?							
Pre-Survey	Correct: 219	Incorrect: 186	Percent: 54%		Percent Difference: 30% Increase		
Post-Survey	Correct: 340	Incorrect: 65	Percent: 84%				
3. Which of the following would indicate a healthy river?							
Pre-Survey	Correct: 371	Incorrect: 34	Percent: 92%		Percent Difference: 3% Increase		
Post-Survey	Correct: 384	Incorrect: 21	Percent: 95%				
6. How do you feel about science?							
	Love It	Like It	Neutral	Dislike It	Hate It	NA	
Pre-Survey	154	167	62	13	6	3	
Post-Survey	148	171	68	12	5	1	
7. How do you feel about participating in this project? // How did you feel about participating in this project?							
	Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA	
Pre-Survey	167	147	68	15	3	5	
Post-Survey	161	151	70	13	6	4	

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 No Change

5th-6th Grade Evaluations Summary Report: Clippert Academy

	Boys- 11	Girls- 8	5 th Grade-	6 th Grade- 19	1 st Time- 16	Total- 19	
1. What is a river?							
	Pre-Survey	Correct: 17	Incorrect: 2	Percent: 89%	Percent Difference: 5% Decrease		
	Post-Survey	Correct: 16	Incorrect: 3	Percent: 84%			
2. What do we do to examine the health of the river?							
	Pre-Survey	Correct: 17	Incorrect: 2	Percent: 89%	Percent Difference: No Change		
	Post-Survey	Correct: 17	Incorrect: 2	Percent: 89%			
3. Which of the following would indicate a healthy river?							
	Pre-Survey	Correct: 19	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 19	Incorrect: 0	Percent: 100%			
6. How do you feel about science?							
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	7	5	7	0	0	0
	Post-Survey	9	9	1	0	0	0
7. How do you feel about participating in this project? // How did you feel about participating in this project?							
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	14	3	0	0	0	2
	Post-Survey	14	4	1	0	0	0

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5th-6th Grade Evaluations

Summary Report: Crescent Academy International

	Boys- 18	Girls- 29	5 th Grade-	6 th Grade- 47	1 st Time- 46	Total- 47	
1.	<i>What is a river?</i>						
	Pre-Survey	Correct: 40	Incorrect: 7	Percent: 85%	Percent Difference: 4% Increase		
	Post-Survey	Correct: 42	Incorrect: 5	Percent: 89%			
2.	<i>What do we do to examine the health of the river?</i>						
	Pre-Survey	Correct: 21	Incorrect: 26	Percent: 45%	Percent Difference: 34% Increase		
	Post-Survey	Correct: 37	Incorrect: 10	Percent: 79%			
3.	<i>Which of the following would indicate a healthy river?</i>						
	Pre-Survey	Correct: 45	Incorrect: 2	Percent: 96%	Percent Difference: 4% Increase		
	Post-Survey	Correct: 47	Incorrect: 0	Percent: 100%			
6.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	17	23	4	2	1	0
Post-Survey	16	19	7	4	1	0	
7.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	32	12	1	2	0	0
Post-Survey	26	14	5	1	0	1	

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5th-6th Grade Evaluations

Summary Report: Detroit Country Day Middle School

	Boys- 44	Girls- 40	5 th Grade-	6 th Grade- 84	1 st Time- 75	Total- 84	
1.	<i>What is a river?</i>						
	Pre-Survey	Correct: 78	Incorrect: 6	Percent: 93%	Percent Difference: 6% Increase		
	Post-Survey	Correct: 83	Incorrect: 1	Percent: 99%			
2.	<i>What do we do to examine the health of the river?</i>						
	Pre-Survey	Correct: 44	Incorrect: 40	Percent: 52%	Percent Difference: 24% Increase		
	Post-Survey	Correct: 64	Incorrect: 20	Percent: 76%			
3.	<i>Which of the following would indicate a healthy river?</i>						
	Pre-Survey	Correct: 75	Incorrect: 9	Percent: 89%	Percent Difference: 7% Increase		
	Post-Survey	Correct: 81	Incorrect: 3	Percent: 96%			
6.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	20	36	19	4	2	3
Post-Survey	19	39	19	4	2	1	
7.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	16	30	23	9	3	3
Post-Survey	30	31	16	2	3	2	

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5th-6th Grade Evaluations

Summary Report: Mary Helen Guest Elementary School

	Boys- 40	Girls- 30	5 th Grade- 70	6 th Grade-	1 st Time- 63	Total- 70	
1.	<i>What is a river?</i>						
	Pre-Survey	Correct: 63	Incorrect: 7	Percent: 90%	Percent Difference: 4% Decrease		
	Post-Survey	Correct: 60	Incorrect: 10	Percent: 86%			
2.	<i>What do we do to examine the health of the river?</i>						
	Pre-Survey	Correct: 39	Incorrect: 31	Percent: 56%	Percent Difference: 31% Increase		
	Post-Survey	Correct: 61	Incorrect: 9	Percent: 87%			
3.	<i>Which of the following would indicate a healthy river?</i>						
	Pre-Survey	Correct: 67	Incorrect: 3	Percent: 96%	Percent Difference: 2% Decrease		
	Post-Survey	Correct: 66	Incorrect: 4	Percent: 94%			
6.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	31	31	8	0	0	0
	Post-Survey	34	27	9	0	0	0
7.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	31	25	13	1	0	0
	Post-Survey	30	22	14	3	1	0

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 No Change

5th-6th Grade Evaluations Summary Report: Smith Middle School

	Boys- 1	Girls- 1	5 th Grade-	6 th Grade- 2	1 st Time- 2	Total- 2	
1.	<i>What is a river?</i>						
	Pre-Survey	Correct: 2	Incorrect: 0	Percent: 100%	Percent Difference: 50% Decrease		
	Post-Survey	Correct: 1	Incorrect: 1	Percent: 50%			
2.	<i>What do we do to examine the health of the river?</i>						
	Pre-Survey	Correct: 1	Incorrect: 1	Percent: 50%	Percent Difference: 50% Increase		
	Post-Survey	Correct: 2	Incorrect: 0	Percent: 100%			
3.	<i>Which of the following would indicate a healthy river?</i>						
	Pre-Survey	Correct: 2	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 2	Incorrect: 0	Percent: 100%			
6.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	1	1	0	0	0	0
	Post-Survey	1	1	0	0	0	0
7.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	1	1	0	0	0	0
	Post-Survey	0	2	0	0	0	0

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 No Change

5 th -6 th Grade Evaluations						
Summary Report: St. Valentine Catholic School						
Boys- 7	Girls- 10	5 th Grade-	6 th Grade- 17	1 st Time- 16	Total- 17	
1. What is a river?						
Pre-Survey	Correct: 16	Incorrect: 1	Percent: 94%	Percent Difference: No Change		
Post-Survey	Correct: 16	Incorrect: 1	Percent: 94%			
2. What do we do to examine the health of the river?						
Pre-Survey	Correct: 17	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
Post-Survey	Correct: 17	Incorrect: 0	Percent: 100%			
3. Which of the following would indicate a healthy river?						
Pre-Survey	Correct: 16	Incorrect: 1	Percent: 94%	Percent Difference: 6% Increase		
Post-Survey	Correct: 17	Incorrect: 0	Percent: 100%			
6. How do you feel about science?						
	Love It	Like It	Neutral	Dislike It	Hate It	NA
Pre-Survey	6	6	4	0	1	0
Post-Survey	6	5	5	0	1	0
7. How do you feel about participating in this project? // How did you feel about participating in this project?						
	Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
Pre-Survey	4	8	5	0	0	0
Post-Survey	3	9	5	0	0	0

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 No Change

5 th -6 th Grade Evaluations							
Summary Report: Steppingstone School							
Boys- 1	Girls- 1	5 th Grade- 2	6 th Grade-	1 st Time- 1	Total- 2		
1. What is a river?							
	Pre-Survey	Correct: 2	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 2	Incorrect: 0	Percent: 100%			
2. What do we do to examine the health of the river?							
	Pre-Survey	Correct: 2	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 2	Incorrect: 0	Percent: 100%			
3. Which of the following would indicate a healthy river?							
	Pre-Survey	Correct: 2	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 2	Incorrect: 0	Percent: 100%			
6. How do you feel about science?							
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	1	1	0	0	0	0
	Post-Survey	1	1	0	0	0	0
7. How do you feel about participating in this project? // How did you feel about participating in this project?							
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	1	0	1	0	0	0
	Post-Survey	1	1	0	0	0	0

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 No Change

5th-6th Grade Evaluations Summary Report: Tonda Elementary School

	Boys- 34	Girls- 35	5 th Grade- 61	6 th Grade- 8	1 st Time- 37	Total- 69	
1.	<i>What is a river?</i>						
	Pre-Survey	Correct: 64	Incorrect: 5	Percent: 93%	Percent Difference: 3%		
	Post-Survey	Correct: 66	Incorrect: 3	Percent: 96%			
2.	<i>What do we do to examine the health of the river?</i>						
	Pre-Survey	Correct: 49	Incorrect: 20	Percent: 71%	Percent Difference: 12%		
	Post-Survey	Correct: 57	Incorrect: 12	Percent: 83%			
3.	<i>Which of the following would indicate a healthy river?</i>						
	Pre-Survey	Correct: 62	Incorrect: 7	Percent: 90%	Percent Difference: 4%		
	Post-Survey	Correct: 65	Incorrect: 4	Percent: 94%			
6.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	37	28	3	1	0	0
	Post-Survey	33	31	4	1	0	0
7.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	32	31	5	1	0	0
	Post-Survey	26	26	11	4	1	1

Rouge Education Project Student Evaluation Summary Report – Spring 2013

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 No Change

5 th -6 th Grade Evaluations						
Summary Report: West Maple Elementary School						
Boys- 48	Girls- 47	5 th Grade- 95	6 th Grade-	1 st Time- 95	Total- 95	
1. What is a river?						
Pre-Survey	Correct: 87	Incorrect: 8	Percent: 92%	Percent Difference: 1%		
Post-Survey	Correct: 88	Incorrect: 7	Percent: 93%			
2. What do we do to examine the health of the river?						
Pre-Survey	Correct: 29	Incorrect: 66	Percent: 31%	Percent Difference: 56%		
Post-Survey	Correct: 83	Incorrect: 12	Percent: 87%			
3. Which of the following would indicate a healthy river?						
Pre-Survey	Correct: 83	Incorrect: 12	Percent: 87%	Percent Difference: 2%		
Post-Survey	Correct: 85	Incorrect: 10	Percent: 89%			
6. How do you feel about science?						
	Love It	Like It	Neutral	Dislike It	Hate It	NA
Pre-Survey	34	36	17	6	2	0
Post-Survey	29	39	23	3	1	0
7. How do you feel about participating in this project? // How did you feel about participating in this project?						
	Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
Pre-Survey	36	37	20	2	0	0
Post-Survey	31	42	18	3	1	0

Rouge Education Project Student Evaluation Summary Report – Spring 2013

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Increase
Decrease
 No Change

7th Grade Pre/Post Survey Analysis

Overall the Rouge Education Project had three participating 7th grade class. Of these, three submitted pre- and post-REP surveys. Below are the combined results followed by individual results for each school.

7 th Grade Evaluations Overall Summary							
Boys- 73	Girls- 39	1 st Time- 17			Total- 112		
1. What is a watershed?							
Pre-Survey	Correct: 95	Incorrect: 17	Percent: 85%		Percent Difference: 12%		
Post-Survey	Correct: 109	Incorrect: 3	Percent: 97%				
2. What do we do to examine the health of a river?							
Pre-Survey	Correct: 87	Incorrect: 25	Percent: 78%		Percent Difference: 3%		
Post-Survey	Correct: 84	Incorrect: 28	Percent: 75%				
3. Which of the following would indicate a healthy river?							
Pre-Survey	Correct: 111	Incorrect: 1	Percent: 99%		Percent Difference: 1%		
Post-Survey	Correct: 110	Incorrect: 2	Percent: 98%				
6. How do you feel about science?							
	Love It	Like It	Neutral	Dislike It	Hate It	NA	
Pre-Survey	23	61	25	1	2	0	
Post-Survey	20	56	33	3	0	0	
7. How do you feel about participating in this project?							
	Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA	
Pre-Survey	28	48	30	4	2	0	
Post-Survey	21	49	35	6	1	0	

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 No Change

7th Grade Evaluations

Summary Report: Detroit Country Day Middle School

	Boys- 70	Girls- 38	1 st Time- 16	Total- 108			
1. <i>What is a watershed?</i>							
	Pre-Survey	Correct: 91	Incorrect: 17	Percent: 84%	Percent Difference: 13%		
	Post-Survey	Correct: 105	Incorrect: 3	Percent: 97%			
2. <i>What do we do to examine the health of a river?</i>							
	Pre-Survey	Correct: 84	Incorrect: 24	Percent: 78%	Percent Difference: 3%		
	Post-Survey	Correct: 81	Incorrect: 27	Percent: 75%			
3. <i>Which of the following would indicate a healthy river?</i>							
	Pre-Survey	Correct: 107	Incorrect: 1	Percent: 99%	Percent Difference: 1%		
	Post-Survey	Correct: 106	Incorrect: 2	Percent: 98%			
6. <i>How do you feel about science?</i>							
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	20	60	25	1	2	0
	Post-Survey	17	55	33	3	0	0
7. <i>How do you feel about participating in this project?</i>							
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	26	48	29	3	2	0
	Post-Survey	19	49	34	5	1	0

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7 th Grade Evaluations Summary Report: Smith Middle School							
Boys- 1	Girls- 0	1 st Time- 1			Total- 1		
1. <i>What is a watershed?</i>							
	Pre-Survey	Correct: 1	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 1	Incorrect: 0	Percent: 100%			
2. <i>What do we do to examine the health of a river?</i>							
	Pre-Survey	Correct: 1	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 1	Incorrect: 0	Percent: 100%			
3. <i>Which of the following would indicate a healthy river?</i>							
	Pre-Survey	Correct: 1	Incorrect: 0	Percent: 100%	Percent Difference: No Change		
	Post-Survey	Correct: 1	Incorrect: 0	Percent: 100%			
6. <i>How do you feel about science?</i>							
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	1	0	0	0	0	0
	Post-Survey	1	0	0	0	0	0
7. <i>How do you feel about participating in this project?</i>							
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	1	0	0	0	0	0
	Post-Survey	1	0	0	0	0	0

Rouge Education Project Student Evaluation Summary Report – Spring 2013

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 No Change

7 th Grade Evaluations Summary Report: Steppingstone School							
Boys- 2	Girls- 1	1 st Time-			Total- 3		
1. What is a watershed?							
Pre-Survey	Correct: 3	Incorrect: 0	Percent: 100%		Percent Difference: No Change		
Post-Survey	Correct: 3	Incorrect: 0	Percent: 100%				
2. What do we do to examine the health of a river?							
Pre-Survey	Correct: 2	Incorrect: 1	Percent: 67%		Percent Difference: No Change		
Post-Survey	Correct: 2	Incorrect: 1	Percent: 67%				
3. Which of the following would indicate a healthy river?							
Pre-Survey	Correct: 3	Incorrect: 0	Percent: 100%		Percent Difference: No Change		
Post-Survey	Correct: 3	Incorrect: 0	Percent: 100%				
6. How do you feel about science?							
	Love It	Like It	Neutral	Dislike It	Hate It	NA	
Pre-Survey	2	1	0	0	0	0	
Post-Survey	2	1	0	0	0	0	
7. How do you feel about participating in this project?							
	Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA	
Pre-Survey	1	0	1	1	0	0	
Post-Survey	1	0	1	1	0	0	

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

8-12th Grade Pre/Post Survey Analysis

Overall, the Rouge Education Project had 18 participating 8-12th grade classes. Of these, 14 completed the pre- and post-REP surveys. Below are the combined results followed by individual results for each school.

8 th -12 th Grade Evaluations Overall Summary								
Males- 254	Females- 244	8 th - 282	9 th - 40	10 th - 20	11 th - 107	12 th - 49	1 st Time- 322	Total- 498
1. What is a watershed?								
1.	Pre-Survey	Correct: 371	Incorrect: 127	Percent: 74%		Percent Difference: 12% Increase		
	Post-Survey	Correct: 429	Incorrect: 69	Percent: 86%				
2. What do we do to determine the health of a river?								
2.	Pre-Survey	Correct: 251	Incorrect: 247	Percent: 50%		Percent Difference: 31% Increase		
	Post-Survey	Correct: 405	Incorrect: 93	Percent: 81%				
3. Which of the following would indicate a healthy river?								
3.	Pre-Survey	Correct: 207	Incorrect: 291	Percent: 42%		Percent Difference: 12% Increase		
	Post-Survey	Correct: 269	Incorrect: 229	Percent: 54%				
4. The following pH will indicate an UNHEALTHY river:								
4.	Pre-Survey	Correct: 228	Incorrect: 270	Percent: 46%		Percent Difference: 19% Increase		
	Post Survey	Correct: 322	Incorrect: 176	Percent: 65%				
7. How do you feel about science?								
7.		Love It	Like It	Neutral	Dislike It	Hate It	NA	
	Pre-Survey	124	217	110	21	21	5	
	Post-Survey	130	227	95	27	17	2	
8. How do you feel about participating in this project? // How did you feel about participating in this project?								
8.		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA	
	Pre-Survey	85	203	172	23	10	5	
	Post-Survey	112	168	159	28	21	10	

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

<i>Do you think your grade in science will improve after participating in the Rouge Education Project?</i>						
	Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
9. Pre Survey	65	238	114	55	20	6
Post Survey	84	195	102	75	36	6

8 th -12 th Grade Evaluations Summary Report: Allen Park High School								
Males- 17	Females- 14	8 th Grade-	9 th Grade-	10 th Grade-	11 th Grade- 28	12 th Grade- 3	1 st Time- 28	Total- 31
1. What is a watershed?								
Pre-Survey		Correct: 13	Incorrect: 18	Percent: 42%		Percent Difference: 26% Increase		
Post-Survey		Correct: 21	Incorrect: 10	Percent: 68%				
2. What do we do to determine the health of a river?								
Pre-Survey		Correct: 6	Incorrect: 25	Percent: 19%		Percent Difference: 75% Increase		
Post-Survey		Correct: 29	Incorrect: 2	Percent: 94%				
3. Which of the following would indicate a healthy river?								
Pre-Survey		Correct: 15	Incorrect: 16	Percent: 48%		Percent Difference: 4% Increase		
Post-Survey		Correct: 16	Incorrect: 15	Percent: 52%				
4. The following pH will indicate an UNHEALTHY river:								
Pre-Survey		Correct: 16	Incorrect: 15	Percent: 52%		Percent Difference: 16% Increase		
Post Survey		Correct: 21	Incorrect: 10	Percent: 68%				
7. How do you feel about science?								
		Love It	Like It	Neutral	Dislike It	Hate It	NA	
Pre-Survey		3	15	10	2	1	0	
Post-Survey		4	16	8	3	0	0	
8. How do you feel about participating in this project? // How did you feel about participating in this project?								
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA	

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

	Pre-Survey	3	10	18	0	0	0
	Post-Survey	7	13	11	0	0	0
9. Do you think your grade in science will improve after participating in the Rouge Education Project?							
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	5	11	7	7	1	0
	Post Survey	4	18	7	2	0	0

8 th -12 th Grade Evaluations								
Summary Report: Chandler Park Academy High School								
Males- 11	Females- 22	8 th Grade-	9 th Grade-	10 th Grade-	11 th Grade- 31	12 th Grade- 2	1 st Time- 28	Total- 33
1. What is a watershed?								
	Pre-Survey	Correct: 18	Incorrect: 15	Percent: 55%		Percent Difference: 42% Increase		
	Post-Survey	Correct: 32	Incorrect: 1	Percent: 97%				
2. What do we do to determine the health of a river?								
	Pre-Survey	Correct: 13	Incorrect: 20	Percent: 39%		Percent Difference: 40% Increase		
	Post-Survey	Correct: 26	Incorrect: 7	Percent: 79%				
3. Which of the following would indicate a healthy river?								
	Pre-Survey	Correct: 9	Incorrect: 24	Percent: 27%		Percent Difference: 21% Increase		
	Post-Survey	Correct: 16	Incorrect: 17	Percent: 48%				
4. The following pH will indicate an UNHEALTHY river:								
	Pre-Survey	Correct: 13	Incorrect: 20	Percent: 39%		Percent Difference: 22% Increase		
	Post Survey	Correct: 20	Incorrect: 13	Percent: 61%				
7. How do you feel about science?								
		Love It	Like It	Neutral	Dislike It	Hate It	NA	
	Pre-Survey	5	10	14	4	0	0	
	Post-Survey	5	14	9	2	2	1	
8. How do you feel about participating in this project? // How did you feel about participating in this project?								

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
Pre-Survey		5	16	11	1	0	0
Post-Survey		7	13	8	1	1	3
9. Do you think your grade in science will improve after participating in the Rouge Education Project?							
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
Pre Survey		7	20	5	1	0	0
Post Survey		7	15	6	1	1	3

8 th -12 th Grade Evaluations								
Summary Report: Detroit Academy of Arts & Sciences								
Males- 27	Females- 26	8 th Grade- 53	9 th Grade-	10 th Grade-	11 th Grade-	12 th Grade-	1 st Time- 42	Total- 53
1. What is a watershed?								
Pre-Survey		Correct: 19	Incorrect: 34		Percent: 36%		Percent Difference: 41% Increase	
Post-Survey		Correct: 41	Incorrect: 12		Percent: 77%			
2. What do we do to determine the health of a river?								
Pre-Survey		Correct: 12	Incorrect: 41		Percent: 23%		Percent Difference: 75% Increase	
Post-Survey		Correct: 52	Incorrect: 1		Percent: 98%			
3. Which of the following would indicate a healthy river?								
Pre-Survey		Correct: 9	Incorrect: 44		Percent: 17%		Percent Difference: 66% Increase	
Post-Survey		Correct: 44	Incorrect: 9		Percent: 83%			
4. The following pH will indicate an UNHEALTHY river:								
Pre-Survey		Correct: 6	Incorrect: 47		Percent: 11%		Percent Difference: 66% Increase	
Post Survey		Correct: 41	Incorrect: 12		Percent: 77%			
7. How do you feel about science?								
		Love It	Like It	Neutral	Dislike It	Hate It	NA	
Pre-Survey		17	23	12	1	0	0	
Post-Survey		18	29	5	1	0	0	

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

8.	How do you feel about participating in this project? // How did you feel about participating in this project?						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	12	22	16	3	0	0
	Post-Survey	18	29	12	3	1	0
9.	Do you think your grade in science will improve after participating in the Rouge Education Project?						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	16	29	6	1	0	1
	Post Survey	28	18	7	0	0	0

8 th -12 th Grade Evaluations								
Summary Report: Detroit Country Day Middle School								
Males- 69	Females- 41	8 th Grade- 110	9 th Grade-	10 th Grade-	11 th Grade-	12 th Grade-	1 st Time- 12	Total- 110
1. What is a watershed?								
	Pre-Survey	Correct: 102	Incorrect: 8	Percent: 93%		Percent Difference: 1% Decrease		
	Post-Survey	Correct: 101	Incorrect: 9	Percent: 92%				
2. What do we do to determine the health of a river?								
	Pre-Survey	Correct: 75	Incorrect: 35	Percent: 68%		Percent Difference: 9% Increase		
	Post-Survey	Correct: 85	Incorrect: 25	Percent: 77%				
3. Which of the following would indicate a healthy river?								
	Pre-Survey	Correct: 64	Incorrect: 46	Percent: 58%		Percent Difference: 1% Decrease		
	Post-Survey	Correct: 63	Incorrect: 47	Percent: 57%				
4. The following pH will indicate an UNHEALTHY river:								
	Pre-Survey	Correct: 60	Incorrect: 50	Percent: 55%		Percent Difference: 6% Decrease		
	Post Survey	Correct: 54	Incorrect: 56	Percent: 49%				
7. How do you feel about science?								
		Love It	Like It	Neutral	Dislike It	Hate It	NA	
	Pre-Survey	31	46	19	5	6	3	

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

	Post-Survey	30	50	16	7	6	1
8.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	9	40	48	7	3	3
	Post-Survey	6	29	54	10	10	1
9.	<i>Do you think your grade in science will improve after participating in the Rouge Education Project?</i>						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	3	40	33	20	11	3
	Post Survey	7	21	23	31	27	1

8th-12th Grade Evaluations								
Summary Report: Emerson Middle School (Wojciechowski)								
Males- 46	Females- 49	8th Grade- 95	9th Grade-	10th Grade-	11th Grade-	12th Grade-	1st Time- 87	Total- 95
1.	<i>What is a watershed?</i>							
	Pre-Survey	Correct: 76	Incorrect: 19	Percent: 80%		Percent Difference: 3% Increase		
	Post-Survey	Correct: 79	Incorrect: 16	Percent: 83%				
2.	<i>What do we do to determine the health of a river?</i>							
	Pre-Survey	Correct: 51	Incorrect: 44	Percent: 54%		Percent Difference: 31% Increase		
	Post-Survey	Correct: 81	Incorrect: 14	Percent: 85%				
3.	<i>Which of the following would indicate a healthy river?</i>							
	Pre-Survey	Correct: 22	Incorrect: 73	Percent: 23%		Percent Difference: 11% Decrease		
	Post-Survey	Correct: 11	Incorrect: 84	Percent: 12%				
4.	<i>The following pH will indicate an UNHEALTHY river:</i>							
	Pre-Survey	Correct: 31	Incorrect: 64	Percent: 33%		Percent Difference: 27% Increase		
	Post Survey	Correct: 57	Incorrect: 38	Percent: 60%				

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

7.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	13	52	22	3	5	0
	Post-Survey	10	53	21	7	4	0
8.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	17	40	27	6	5	0
	Post-Survey	15	37	28	6	8	1
9.	<i>Do you think your grade in science will improve after participating in the Rouge Education Project?</i>						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	16	49	20	7	3	0
	Post Survey	6	41	26	18	4	0

8 th -12 th Grade Evaluations								
Summary Report: Garden City High School								
Males- 15	Females- 18	8 th Grade-	9 th Grade-	10 th Grade- 5	11 th Grade- 8	12 th Grade- 20	1 st Time- 26	Total- 33
1.	<i>What is a watershed?</i>							
	Pre-Survey	Correct: 23	Incorrect: 10	Percent: 70%		Percent Difference: 9% Increase		
	Post-Survey	Correct: 26	Incorrect: 7	Percent: 79%				
2.	<i>What do we do to determine the health of a river?</i>							
	Pre-Survey	Correct: 12	Incorrect: 21	Percent: 36%		Percent Difference: 52% Increase		
	Post-Survey	Correct: 29	Incorrect: 4	Percent: 88%				
3.	<i>Which of the following would indicate a healthy river?</i>							
	Pre-Survey	Correct: 15	Incorrect: 18	Percent: 45%		Percent Difference: 31% Increase		
	Post-Survey	Correct: 25	Incorrect: 8	Percent: 76%				
4.	<i>The following pH will indicate an UNHEALTHY river:</i>							
	Pre-Survey	Correct: 20	Incorrect: 13	Percent: 61%		Percent Difference: 15% Increase		

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Key:
Increase
Decrease
 No Change

	Post Survey	Correct: 25	Incorrect: 8	Percent: 76%			
7.	How do you feel about science?						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	9	15	6	2	1	0
	Post-Survey	9	17	6	1	0	0
8.	How do you feel about participating in this project? // How did you feel about participating in this project?						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	5	18	9	1	0	0
	Post-Survey	8	14	7	2	0	2
9.	Do you think your grade in science will improve after participating in the Rouge Education Project?						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	6	16	6	4	1	0
	Post Survey	12	12	6	3	0	0

8th-12th Grade Evaluations								
Summary Report: Huron Valley Lutheran High School								
Males- 14	Females- 11	8th Grade-	9th Grade- 25	10th Grade-	11th Grade-	12th Grade-	1st Time- 21	Total- 25
1.	What is a watershed?							
	Pre-Survey	Correct: 22	Incorrect: 3	Percent: 88%		Percent Difference: 4% Increase		
	Post-Survey	Correct: 23	Incorrect: 2	Percent: 92%				
2.	What do we do to determine the health of a river?							
	Pre-Survey	Correct: 13	Incorrect: 12	Percent: 52%		Percent Difference: 28% Increase		
	Post-Survey	Correct: 20	Incorrect: 5	Percent: 80%				
3.	Which of the following would indicate a healthy river?							
	Pre-Survey	Correct: 12	Incorrect: 13	Percent: 48%		Percent Difference: 4% Increase		
	Post-Survey	Correct: 13	Incorrect: 12	Percent: 52%				
4.	The following pH will indicate an UNHEALTHY river:							

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

	Pre-Survey	Correct: 10	Incorrect: 15	Percent: 40%	Percent Difference: 40% Increase		
	Post Survey	Correct: 20	Incorrect: 5	Percent: 80%			
7.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	5	3	8	2	7	0
	Post-Survey	7	2	6	5	5	0
8.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	5	8	9	2	1	0
	Post-Survey	4	5	11	4	1	0
9.	<i>Do you think your grade in science will improve after participating in the Rouge Education Project?</i>						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	0	11	9	5	0	0
	Post Survey	2	12	6	4	1	0

8th-12th Grade Evaluations								
Summary Report: Intercity Baptist High School								
Males- 9	Females- 11	8 th Grade- 20	9 th Grade-	10 th Grade-	11 th Grade-	12 th Grade-	1 st Time- 16	Total- 20
1.	<i>What is a watershed?</i>							
	Pre-Survey	Correct: 19	Incorrect: 1	Percent: 95%		Percent Difference: 5% Decrease		
	Post-Survey	Correct: 18	Incorrect: 2	Percent: 90%				
2.	<i>What do we do to determine the health of a river?</i>							
	Pre-Survey	Correct: 4	Incorrect: 16	Percent: 20%		Percent Difference: 45% Increase		
	Post-Survey	Correct: 13	Incorrect: 7	Percent: 65%				
3.	<i>Which of the following would indicate a healthy river?</i>							
	Pre-Survey	Correct: 2	Incorrect: 18	Percent: 10%		Percent Difference: 40% Increase		

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Key:
Increase
Decrease
 No Change

	Post-Survey	Correct: 10	Incorrect: 10	Percent: 50%			
4.	<i>The following pH will indicate an UNHEALTHY river:</i>						
	Pre-Survey	Correct: 7	Incorrect: 13	Percent: 35%	Percent Difference: 15% Decrease		
	Post Survey	Correct: 4	Incorrect: 16	Percent: 20%			
7.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	3	14	3	0	0	0
	Post-Survey	2	14	4	0	0	0
8.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	0	12	8	0	0	0
	Post-Survey	1	14	5	0	0	0
9.	<i>Do you think your grade in science will improve after participating in the Rouge Education Project?</i>						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	0	13	5	0	2	0
	Post Survey	0	11	4	3	2	0

8th-12th Grade Evaluations								
Summary Report: Lincoln Street Alternative High School								
Males- 17	Females- 7	8 th Grade-	9 th Grade-	10 th Grade- 3	11 th Grade- 13	12 th Grade- 8	1 st Time- 16	Total- 24
1.	<i>What is a watershed?</i>							
	Pre-Survey	Correct: 10	Incorrect: 14	Percent: 42%	Percent Difference: 50% Increase			
	Post-Survey	Correct: 22	Incorrect: 2	Percent: 92%				
2.	<i>What do we do to determine the health of a river?</i>							
	Pre-Survey	Correct: 9	Incorrect: 15	Percent: 38%	Percent Difference: 37% Increase			
	Post-Survey	Correct: 18	Incorrect: 6	Percent: 75%				
3.	<i>Which of the following would indicate a healthy river?</i>							

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Key:
Increase
Decrease
 No Change

	Pre-Survey	Correct: 8	Incorrect: 16	Percent: 33%	Percent Difference: 25% Increase		
	Post-Survey	Correct: 14	Incorrect: 10	Percent: 58%			
4. The following pH will indicate an UNHEALTHY river:							
4.	Pre-Survey	Correct: 9	Incorrect: 15	Percent: 38%	Percent Difference: 37% Increase		
	Post Survey	Correct: 18	Incorrect: 6	Percent: 75%			
7. How do you feel about science?							
7.		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	3	9	8	2	1	1
	Post-Survey	5	8	10	1	0	0
8. How do you feel about participating in this project? // How did you feel about participating in this project?							
8.		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	2	3	15	2	1	1
	Post-Survey	4	3	12	2	0	3
9. Do you think your grade in science will improve after participating in the Rouge Education Project?							
9.		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	2	7	9	3	2	1
	Post Survey	3	8	8	2	1	2

8 th -12 th Grade Evaluations								
Summary Report: Novi High School								
Males- 7	Females- 6	8 th Grade-	9 th Grade-	10 th Grade- 7	11 th Grade- 5	12 th Grade- 1	1 st Time- 8	Total- 13
1. What is a watershed?								
1.	Pre-Survey	Correct: 12	Incorrect: 1	Percent: 92%		Percent Difference: 7% Increase		
	Post-Survey	Correct: 11	Incorrect: 2	Percent: 85%				
2. What do we do to determine the health of a river?								
2.	Pre-Survey	Correct: 13	Incorrect: 0	Percent: 100%		Percent Difference: 8% Increase		
	Post-Survey	Correct: 12	Incorrect: 1	Percent: 92%				

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Increase
Decrease
 No Change

3.	<i>Which of the following would indicate a healthy river?</i>						
	Pre-Survey	Correct: 9	Incorrect: 4	Percent: 69%	Percent Difference: 8% Increase		
	Post-Survey	Correct: 10	Incorrect: 3	Percent: 77%			
4.	<i>The following pH will indicate an UNHEALTHY river:</i>						
	Pre-Survey	Correct: 11	Incorrect: 2	Percent: 85%	Percent Difference: 15% Increase		
	Post Survey	Correct: 13	Incorrect: 0	Percent: 100%			
7.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	5	6	2	0	0	0
	Post-Survey	7	4	2	0	0	0
8.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	2	9	2	0	0	0
	Post-Survey	6	7	0	0	0	0
9.	<i>Do you think your grade in science will improve after participating in the Rouge Education Project?</i>						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	0	7	3	3	0	0
	Post Survey	2	6	4	1	0	0

8th-12th Grade Evaluations								
Summary Report: Oakland Schools Technical Campus SE								
Males- 4	Females- 4	8th Grade-	9th Grade-	10th Grade-	11th Grade- 5	12th Grade- 3	1st Time- 5	Total- 8
1.	<i>What is a watershed?</i>							
	Pre-Survey	Correct: 8	Incorrect: 0	Percent: 100%	Percent Difference: No Change			
	Post-Survey	Correct: 8	Incorrect: 0	Percent: 100%				
2.	<i>What do we do to determine the health of a river?</i>							

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 No Change

	Pre-Survey	Correct: 7	Incorrect: 1	Percent: 88%	Percent Difference: 12% Increase		
	Post-Survey	Correct: 8	Incorrect: 0	Percent: 100%			
3. Which of the following would indicate a healthy river?							
	Pre-Survey	Correct: 5	Incorrect: 3	Percent: 63%	Percent Difference: 25% Increase		
	Post-Survey	Correct: 7	Incorrect: 1	Percent: 88%			
4. The following pH will indicate an UNHEALTHY river:							
	Pre-Survey	Correct: 7	Incorrect: 1	Percent: 88%	Percent Difference: 12% Increase		
	Post Survey	Correct: 8	Incorrect: 0	Percent: 100%			
7. How do you feel about science?							
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	4	3	1	0	0	0
	Post-Survey	3	5	0	0	0	0
8. How do you feel about participating in this project? // How did you feel about participating in this project?							
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	4	3	1	0	0	0
	Post-Survey	4	4	0	0	0	0
9. Do you think your grade in science will improve after participating in the Rouge Education Project?							
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	1	3	3	1	0	0
	Post Survey	2	4	1	1	0	0

8 th -12 th Grade Evaluations								
Summary Report: Roosevelt High School								
Males- 9	Females- 23	8 th Grade-	9 th Grade- 15	10 th Grade- 5	11 th Grade- 6	12 th Grade- 6	1 st Time- 14	Total- 32
1. What is a watershed?								
	Pre-Survey	Correct: 32	Incorrect: 0	Percent: 100%	Percent Difference: 16% Decrease			
	Post-Survey	Correct: 30	Incorrect: 2	Percent: 84%				

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Key:
Increase
Decrease
 No Change

2.	<i>What do we do to determine the health of a river?</i>						
	Pre-Survey	Correct: 26	Incorrect: 6	Percent: 81%	Percent Difference: 6% Decrease		
	Post-Survey	Correct: 24	Incorrect: 8	Percent: 75%			
3.	<i>Which of the following would indicate a healthy river?</i>						
	Pre-Survey	Correct: 20	Incorrect: 12	Percent: 63%	Percent Difference: 3% Increase		
	Post-Survey	Correct: 21	Incorrect: 11	Percent: 66%			
4.	<i>The following pH will indicate an UNHEALTHY river:</i>						
	Pre-Survey	Correct: 26	Incorrect: 6	Percent: 81%	Percent Difference: No Change		
	Post Survey	Correct: 26	Incorrect: 6	Percent: 81%			
7.	<i>How do you feel about science?</i>						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	22	10	0	0	0	0
Post-Survey	25	7	0	0	0	0	
8.	<i>How do you feel about participating in this project? // How did you feel about participating in this project?</i>						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	18	13	1	0	0	0
Post-Survey	27	4	1	0	0	0	
9.	<i>Do you think your grade in science will improve after participating in the Rouge Education Project?</i>						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	5	21	5	1	0	0
Post Survey	9	18	3	2	0	0	

8 th -12 th Grade Evaluations								
Summary Report: Smith Middle School								
Males- 2	Females- 2	8 th Grade-	9 th Grade-	10 th Grade-	11 th Grade-	12 th Grade-	1 st Time- 2	Total- 4
1.	<i>What is a watershed?</i>							
	Pre-Survey	Correct: 4	Incorrect: 0	Percent: 100%	Percent Difference: No Change			

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

	Post-Survey	Correct: 4	Incorrect: 0	Percent: 100%			
2.	What do we do to determine the health of a river?						
	Pre-Survey	Correct: 3	Incorrect: 1	Percent: 75%	Percent Difference: 25% Increase		
	Post-Survey	Correct: 4	Incorrect: 0	Percent: 100%			
3.	Which of the following would indicate a healthy river?						
	Pre-Survey	Correct: 3	Incorrect: 1	Percent: 75%	Percent Difference: No Change		
	Post-Survey	Correct: 3	Incorrect: 1	Percent: 75%			
4.	The following pH will indicate an UNHEALTHY river:						
	Pre-Survey	Correct: 1	Incorrect: 3	Percent: 25%	Percent Difference: 75% Increase		
	Post Survey	Correct: 4	Incorrect: 0	Percent: 100%			
7.	How do you feel about science?						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	1	3	0	0	0	0
Post-Survey	2	1	1	0	0	0	
8.	How do you feel about participating in this project? // How did you feel about participating in this project?						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	1	3	0	0	0	0
Post-Survey	2	2	0	0	0	0	
9.	Do you think your grade in science will improve after participating in the Rouge Education Project?						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	1	2	1	0	0	0
Post Survey	1	1	1	1	0	0	

8th-12th Grade Evaluations								
Summary Report: Troy High School								
Males- 7	Females- 10	8 th Grade-	9 th Grade-	10 th Grade-	11 th Grade- 11	12 th Grade- 6	1 st Time- 17	Total- 17

Rouge Education Project Student Evaluation Summary Report – Spring 2013

Key:
Increase
Decrease
 No Change

1.	What is a watershed?						
	Pre-Survey	Correct: 13	Incorrect: 4	Percent: 76%	Percent Difference: No Change		
	Post-Survey	Correct: 13	Incorrect: 4	Percent: 76%			
2.	What do we do to determine the health of a river?						
	Pre-Survey	Correct: 7	Incorrect: 10	Percent: 41%	Percent Difference: 17% Decrease		
	Post-Survey	Correct: 4	Incorrect: 13	Percent: 24%			
3.	Which of the following would indicate a healthy river?						
	Pre-Survey	Correct: 14	Incorrect: 3	Percent: 82%	Percent Difference: 12% Increase		
	Post-Survey	Correct: 16	Incorrect: 1	Percent: 94%			
4.	The following pH will indicate an UNHEALTHY river:						
	Pre-Survey	Correct: 11	Incorrect: 6	Percent: 65%	Percent Difference: No Change		
	Post Survey	Correct: 11	Incorrect: 6	Percent: 65%			
7.	How do you feel about science?						
		Love It	Like It	Neutral	Dislike It	Hate It	NA
	Pre-Survey	3	8	5	0	0	1
Post-Survey	3	7	7	0	0	0	
8.	How do you feel about participating in this project? // How did you feel about participating in this project?						
		Very Excited	Excited	OK	Not So Excited	Not Excited At All	NA
	Pre-Survey	2	6	7	1	0	1
Post-Survey	3	4	10	0	0	0	
9.	Do you think your grade in science will improve after participating in the Rouge Education Project?						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
	Pre Survey	3	9	2	2	0	1
Post Survey	1	10	0	6	0	0	