

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.



#### 4<sup>th</sup> Grade Pre-/Post-REP Survey Analysis

Overall, the REP had four classes participating at the 4<sup>th</sup> 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.

	4 <sup>th</sup> Grade Evaluations												
				Ove	rall Summa	ary							
	Boys- 55	Girls- 65				•	Total- 120						
	What do we do to find out if water is polluted?												
1.	Pre-Survey	Correct: 58	Incorrect: 62		Percent:	48	Dorsont Diffe	erence: 49% Increase					
	Post-Survey	Correct: 116	Incorrect: 4		Percent: 9	7	Percent Dine	erence: 49% increase					
	What is something	a river needs to be he	ealthy?										
2.	Pre-Survey	Correct: 117	Incorrect: 3		Percent:	Percent: 98		overes 19/ Incress					
	Post-Survey	Correct: 117	Incorrect: 1		Percent: 99		Percent Dille	erence: 1% Increase					
	How do you feel ab	out science?											
,		Love It	Like It	Neut	ral	Disl	ike It	Hate It	N/A				
3.	Pre-Survey	70	37	9			0	2	2				
	Post-Survey	73	34	11			0	1	1				
	How do you feel ab	out participating in th	his project? // How d	id you feel ab	out partici	pating in this	project?						
_		Very Excited	Excited	Ol	(	Not So	Excited	Not Excited At All	N/A				
4.	Pre-Survey	86	24	4			2	1	3				
	Post-Survey	88	26	6			0	0	1				



	4 <sup>th</sup> Grade Evaluations												
			Sum	nmary Report:	: Achieve C	narter Acade	emy						
	Boys- 37	Girls- 41					Total- 78						
	What do we do to fi												
1.	Pre-Survey												
	Post-Survey												
-	What is something a river needs to be healthy?												
2. Pre-Survey Correct: 77 Incorrect: 1 Percent: 99% Percent Difference: No Change													
	Post-Survey	Correct: 77	Incorrect: 1		Percent: 9	<del>)</del> 9%	Percent Dille	rence: No Change					
-	How do you feel about science?												
, '		Love It	Like It	Neut	tral	Disl	like It	Hate It	N/A				
3.	Pre-Survey	43	25	6		·	0	2	2				
	Post-Survey	45	23	8			0	1	1				
-	How do you feel ab	out participating in t	his project? // How die	id you feel al	out partici	pating in this	s project?						
		Very Excited	Excited	ОК			Excited	Not Excited At All	N/A				
4.	Pre-Survey	51	18	4		i	2	1	2				
	Post-Survey	51	21	5			0	0	1				



	4 <sup>th</sup> Grade Evaluations													
	Summary Report: Salem Elementary School													
	Boys- 18	Girls- 23			_		Total- 41	-	-					
	What do we do to find out if water is polluted?													
1. Pre-Survey Correct: 9 Incorrect: 32 Percent: 22% Percent Difference: 73% Increase														
	Post-Survey Correct: 39 Incorrect: 2 Percent: 95% Percent Difference: 73% Increase													
	What is something a river needs to be healthy?													
2.														
	Post-Survey	Correct: 41	rect: 41 Incorrect: 0 Percent: 10		.00%	Percent Dille	erence: 5% increase							
	How do you feel ab	out science?												
,		Love It	Like It	Neut	ral	Disl	like It	Hate It	N/A					
3.	Pre-Survey	26	12	3			0	0	0					
	Post-Survey	27	11	3			0	0	0					
	How do you feel ab	out participating in t	his project? // How di	id you feel ab	out partici	pating in this	s project?							
	_	Very Excited	Excited	Ok	(	Not So	Excited	Not Excited At All	N/A					
4.	Pre-Survey	34	6	0			0	0	1					
	Post-Survey	36	4	1			0	0	0					



4 <sup>th</sup> Grade Evaluations													
			Su	ımmary Repo	rt: Stepping	stone Scho	ol						
	Boys- 0	Girls- 1					Total- 1						
	What do we do to	find out if water is po	lluted?										
1.	Pre-Survey	Correct: 1	Incorrect: 0		Percent: 10	00%	Downsont Diff	overes. No Change					
	Post-Survey	Correct: 1	Incorrect: 0		Percent: 10	Percent Difference: No Change							
	What is something a river needs to be healthy?												
2.													
	Post-Survey	Correct: 1	Incorrect: 0	Percent:		00%	Percent Diffe	erence: No Change					
	How do you feel about science?												
_	, ,	Love It	Like It	Neut	ral	Dislike It		Hate It	N/A				
3.	Pre-Survey	1	0	0			0	0	0				
	Post-Survey	1	0	0			0	0	0				
How do you feel about participating in this project? // How did you feel about participating in this project?													
	, ,	Very Excited	Excited	ОК			Excited	Not Excited At All	N/A				
4.	Pre-Survey	1	0	0			0	0	0				
	Post-Survey	1	0	0			0	0	0				



#### 5-6<sup>th</sup> Grade Pre/Post Survey Analysis

Overall the Rouge Education Project had 10 participating 5<sup>th</sup> or 6<sup>th</sup> 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 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Overall Summary												
	Boys- 204	Girls- 201	5 <sup>th</sup> Grade- 236	6 <sup>th</sup> Grade		•	ne- 351	Total	- 405				
	What is a river?												
1.	Pre-Survey	Correct: 369	Incorrect: 36		Percent: 9	91%	Dorsont Diffe	erence: 1% Increase					
	Post-Survey	Correct: 374	Incorrect: 31		Percent: 9	92%	Percent Dine	erence. 1/6 increase					
	What do we do to examine the health of the river?												
2.													
	Post-Survey Correct: 340 Incorrect: 65 Percent: 84%												
	Which of the following would indicate a healthy river?												
3.	Pre-Survey	Correct: 371	Incorrect: 34		Percent: 9	92%	Dorsont Diffe	erence: 3% Increase					
	Post-Survey	Correct: 384	Incorrect: 21		Percent: 95%			erence. 5% increase					
	How do you feel ab	out science?											
		Love It	Like It	Neut	tral	Disl	ike It	Hate It	NA				
6.	Pre-Survey	154	167	62	2	1	.3	6	3				
	Post-Survey	148	171	68	3	1	.2	5	1				
How do you feel about participating in this project? // How did you feel about participating in this project?													
,		Very Excited	Excited	Ol	(	Not So	Excited	Not Excited At All	NA				
7.	Pre-Survey	167	147	68	8 15		.5	3	5				
	Post-Survey												



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Summary Report: Clippert Academy													
	Boys- 11	Girls- 8	5 <sup>th</sup> Grade-	6 <sup>th</sup> Grad			me- 16	Tota	l- 19					
	What is a river?													
1.	Pre-Survey	Correct: 17	Incorrect: 2		Percent: 8	39%	Persont Diff	Property F9/ Decrease						
	Post-Survey Correct: 16 Incorrect: 3 Percent: 84%  Percent Difference: 5% Decrease													
	What do we do to examine the health of the river?													
2.	2. Pre-Survey Correct: 17 Incorrect: 2 Percent: 89%  Percent Difference: No Change													
	Post-Survey Correct: 17 Incorrect: 2 Percent: 89%													
	Which of the following would indicate a healthy river?													
3.	Pre-Survey	Correct: 19	Incorrect: 0	•		100%	Borsont Diff	erence: No Change						
	Post-Survey	Correct: 19	Incorrect: 0		Percent: 1	.00%	Percent Dine	rence: No Change						
	How do you feel ab	out science?												
<sub>6</sub>		Love It	Like It	Neut	tral	Disl	ike It	Hate It	NA					
6.	Pre-Survey	7	5	7	,		0	0	0					
	Post-Survey	9	9	1			0	0	0					
	How do you feel ab	out participating in t	his project? // How di	id you feel ak	bout particit	ating in this	project?							
7.		Very Excited	Excited	Oł	К	Not So	Excited	Not Excited At All	NA					
'.	Pre-Survey	14	3	0	j		0	0	2					
	Post-Survey 14 4 1 0 0								0					



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations												
			Summa	ry Report: Cr	rescent Aca	demy Interna	ational						
	Boys- 18	Girls- 29	5 <sup>th</sup> Grade-	6 <sup>th</sup> Grad	le- 47	1 <sup>st</sup> Tir	ne- 46	Tota	l- 47				
	What is a river?												
1.	Pre-Survey	Correct: 40	Incorrect: 7		Percent:	85%	Downsont Diff	average 40/ Increase					
	Post-Survey Correct: 42 Incorrect: 5 Percent: 89%  Percent Difference: 4% Increase												
	What do we do to examine the health of the river?												
2.	Pre-Survey Correct: 21 Incorrect: 26 Percent: 45% Percent Difference: 34% Increase												
	Post-Survey	Correct: 37	erence: 34% increase										
	Which of the following would indicate a healthy river?												
3.	Pre-Survey	Correct: 45	Incorrect: 2	Incorrect: 2		96%	Doveent Diffe	erence: 4% Increase					
	Post-Survey	Correct: 47	Incorrect: 0		Percent:	100%	Percent Dill	erence: 4% increase					
	How do you feel ab	oout science?											
6		Love It	Like It	Neut	tral	Disl	ike It	Hate It	NA				
6.	Pre-Survey	17	23	4	r		2	1	0				
	Post-Survey	16	19	7	1		4	1	0				
How do you feel about participating in this project? // How did you feel about participating in this project?													
_		Very Excited	Excited	OI	K	Not So	Excited	Not Excited At All	NA				
7.	Pre-Survey	32	12	1			2	0	0				
	Post-Survey	26	14	5			1	0	1				



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Summary Report: Detroit Country Day Middle School												
	Boys- 44	Girls- 40	5 <sup>th</sup> Grade-	6 <sup>th</sup> Grad			me- 75	Tota	al- 84				
	What is a river?												
1.	Pre-Survey	Correct: 78	Incorrect: 6		Percent: 9	Э3%	Darcont Diff	aranaa, 69/ Ingraasa					
	Post-Survey Correct: 83 Incorrect: 1 Percent: 99%						Percent Difference: 6% Increase						
	What do we do to examine the health of the river?												
2.	2. Pre-Survey Correct: 44 Incorrect: 40 Percent: 52% Percent Difference: 24% Increase												
	Post-Survey	Correct: 64	Incorrect: 20		Percent: 7	Percent: 76%  Percent Difference: 24% Increase							
	Which of the following would indicate a healthy river?												
3.	Pre-Survey	Correct: 75	Incorrect: 9		Percent: 8	39%	Parcent Diff	erence: 7% Increase					
	Post-Survey	Correct: 81	Incorrect: 3		Percent: 9	96%	Percent Dine	erence. 770 mcrease					
	How do you feel ab	out science?											
		Love It	Like It	Neut	tral	Disl	like It	Hate It	NA				
6.	Pre-Survey	20	36	19	9		4	2	3				
	Post-Survey	19	39	19	9		4	2	1				
	How do you feel ak	bout participating in th	his project? // How d	id you feel al	bout partici	pating in this	s project?						
7.		Very Excited	Excited	OH	K	Not Sc	Excited	Not Excited At All	NA				
/.	Pre-Survey	16	30	23	3		9	3	3				
	Post-Survey	30	31	16	6		2	3	2				



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Summary Report: Mary Helen Guest Elementary School													
	Boys- 40	Girls- 30	5 <sup>th</sup> Grade- 70	6 <sup>th</sup> Gr	·	1 <sup>st</sup> Time- 63	Tota	al- 70						
	What is a river?													
1.	Pre-Survey	Correct: 63	Incorrect: 7		Percent: 90	% Borcont	Difference: 4% Decrease							
	Post-Survey	Correct: 60	Incorrect: 10		Percent: 86	%	Difference: 4% Decrease							
	What do we do to examine the health of the river?													
2.														
	Post-Survey	Difference: 51% increase												
	Which of the following would indicate a healthy river?													
3.	Pre-Survey	Correct: 67	Incorrect: 3		Percent: 96	% Porcent	Difference: 2% Decrease							
	Post-Survey	Correct: 66	Incorrect: 4		Percent: 94	%	Difference: 2% Decrease							
	How do you feel ab	oout science?						1						
_		Love It	Like It	Neu	tral	Dislike It	Hate It	NA						
6.	Pre-Survey	31	31	8	3	0	0	0						
	Post-Survey	34	27	9		0	0	0						
	How do you feel ab	oout participating in t	his project? // How di	id you feel al	bout participa	ting in this project?								
7.		Very Excited	Excited	O	K	Not So Excited	Not Excited At All	NA						
/.	Pre-Survey	31	25	13	3	1	0	0						
	Post-Survey	30	22	14	4	3	1	0						



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Summary Report: Smith Middle School													
	Boys- 1	Girls- 1	5 <sup>th</sup> Grade-	6 <sup>th</sup> Gra			me- 2	Tot	al- 2					
	What is a river?													
1.	Pre-Survey	Correct: 2	Incorrect: 0		Percent:	100%	Dersont Diffe	Property E09/ Decrease						
	Post-Survey Correct: 1 Incorrect: 1 Percent: 50%  Percent Difference: 50% Decrease													
	What do we do to	examine the health of	the river?											
2.	2. Pre-Survey Correct: 1 Incorrect: 1 Percent: 50%  Percent Difference: 50% Increase													
	Post-Survey	erence: 50% increase												
	Which of the following would indicate a healthy river?													
3.	Pre-Survey	Correct: 2	Incorrect: 0		Percent:	100%	Porcont Diff	erence: No Change						
	Post-Survey	Correct: 2	Incorrect: 0		Percent:	100%	Percent Dine	erence: No Change						
	How do you feel ab	oout science?							<u>.                                    </u>					
6		Love It	Like It	Neu	tral	Disl	ike It	Hate It	NA					
6.	Pre-Survey	1	1	0			0	0	0					
	Post-Survey	1	1	0			0	0	0					
	How do you feel ab	out participating in th	his project? // How di	id you feel al	bout partici	pating in this	project?							
7.		Very Excited	Excited	Ol	K	Not So	Excited	Not Excited At All	NA					
/.	Pre-Survey	1	1	0			0	0	0					
	Post-Survey	0	2	0			0	0	0					



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Summary Report: St. Valentine Catholic School												
	Boys- 7	Girls- 10	5 <sup>th</sup> Grade-	6 <sup>th</sup> Grad			me- 16	Tota	l- 17				
	What is a river?												
1.	Pre-Survey	Correct: 16	Incorrect: 1		Percent:	94%	Daveant Diff	No Change					
	Post-Survey Correct: 16 Incorrect: 1 Percent: 94%							erence: No Change					
	What do we do to examine the health of the river?												
2.													
	Post-Survey	Correct: 17	erence: No Change										
	Which of the following would indicate a healthy river?												
3.	Pre-Survey	Correct: 16	Incorrect: 1	-			Parcent Diffe	erence: 6% Increase					
	Post-Survey	Correct: 17	Incorrect: 0		Percent:	100%	Percent Din	erence: 6% increase					
	How do you feel ab	oout science?											
_		Love It	Like It	Neut	tral	Disl	ike It	Hate It	NA				
6.	Pre-Survey	6	6	4			0	1	0				
	Post-Survey	6	5	5			0	1	0				
	How do you feel ak	out participating in t	his project? // How d	id you feel ak	out partici	pating in this	project?						
7.		Very Excited	Excited	Ok	K	Not So	Excited	Not Excited At All	NA				
/ '	Pre-Survey	4	8	5	5		0	0	0				
	Post-Survey	3	9	5			0	0	0				



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Summary Report: Steppingstone School												
	Boys- 1	Girls- 1	5 <sup>th</sup> Grade- 2	6 <sup>th</sup> Gra			ime- 1	Tota	al- 2				
	What is a river?												
1.	Pre-Survey	overse. No Change											
	Post-Survey	Correct: 2	Incorrect: 0	·	erence: No Change								
	What do we do to examine the health of the river?												
2.													
	Post-Survey												
	Which of the following would indicate a healthy river?												
3.	Pre-Survey	Correct: 2	Incorrect: 0		Percent: 1	100%	Parcent Diff.	aransa. Na Changa					
	Post-Survey	Correct: 2	Incorrect: 0		Percent: 1	100%	Percent Dine	erence: No Change					
	How do you feel ab	out science?											
		Love It	Like It	Neut	tral	Disl	like It	Hate It	NA				
6.	Pre-Survey	1	1	0	,		0	0	0				
	Post-Survey	· ·			0	0	0						
	How do you feel ab	bout participating in th	his project? // How d	id you feel al	bout partici	pating in this	s project?						
7.		Very Excited	Excited	Ok	K	Not Sc	Excited	Not Excited At All	NA				
/.	Pre-Survey	1	0	1	,		0	0	0				
	Post-Survey	1	1	0		<u> </u>	0	0	0				



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations												
						mentary Sch		T					
	Boys- 34	Girls- 35	5 <sup>th</sup> Grade- 61	6 <sup>th</sup> Grad	de- 8	1º Tir	me- 37	Tota	l- 69				
	What is a river?												
1.	Pre-Survey	Correct: 64	Incorrect: 5	Incorrect: 5			Percent Diff	oronco. 29/					
	Post-Survey	Correct: 66	Incorrect: 3	Percent:	96%	Percent Din	erence: 5%						
	What do we do to examine the health of the river?												
2.													
	Post-Survey	Correct: 57	Incorrect: 12		Percent: 8	: 83%							
	Which of the follow	ving would indicate a	healthy river?										
3.	Pre-Survey	Correct: 62	Incorrect: 7	Percent: 9	90%	Dorsont Diff	oronco. 49/						
	Post-Survey	Correct: 65	Incorrect: 4		Percent:	94%	Percent Difference: 4%						
	How do you feel ab	oout science?											
_		Love It	Like It	Neut	tral	Disl	ike It	Hate It	NA				
6.	Pre-Survey	37	28	3			1	0	0				
	Post-Survey	33	31	4			1	0	0				
	How do you feel ab	out participating in t	his project? // How d	id you feel al	bout partici	pating in this	project?						
7.		Very Excited	Excited	OI	K	Not So	Excited	Not Excited At All	NA				
/ .	Pre-Survey	32	31	5		1		0	0				
	Post-Survey	26	26	11	L		4	1	1				



	5 <sup>th</sup> -6 <sup>th</sup> Grade Evaluations Summary Report: West Maple Elementary School												
	Boys- 48	Girls- 47	5 <sup>th</sup> Grade- 95	6 <sup>th</sup> Gra			me- 95	Tota	I- 95				
	What is a river?												
1.	Pre-Survey	Correct: 87	Incorrect: 8		Percent: 9	2%_	Percent Diffe	avance, 10/					
	Post-Survey	Correct: 88	Incorrect: 7		Percent: 9	3%	Percent Dill	erence: 1%					
	What do we do to examine the health of the river?												
2.	2. Pre-Survey Correct: 29 Incorrect: 66 Percent: 31%  Percent Difference: 56%												
	Post-Survey Correct: 83 Incorrect: 12 Percent: 87% Percent Difference: 56%												
	Which of the follow	Which of the following would indicate a healthy river?											
3.	Pre-Survey	Correct: 83	Incorrect: 12		Percent: 8	37%	Percent Diffe	oronco, <b>2</b> %					
	Post-Survey	Correct: 85	Incorrect: 10		Percent: 8	9%	Percent Din	erence: 2%					
	How do you feel ab	oout science?											
_		Love It	Like It	Neu	tral	Disl	ike It	Hate It	NA				
6.	Pre-Survey	34	36	17	7		6	2	0				
	Post-Survey	29	39	23	3		3	1	0				
	How do you feel ab	oout participating in t	his project? // How di	id you feel al	bout particip	oating in this	project?						
7.		Very Excited	Excited	OI	K	Not So	Excited	Not Excited At All	NA				
/.	Pre-Survey	36	37	20	)		2	0	0				
	Post-Survey	31	42	18	3	3		1	0				



# 7<sup>th</sup> Grade Pre/Post Survey Analysis

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

	7 <sup>th</sup> Grade Evaluations Overall Summary											
	Boys- 73	Girls-	39		Γime- 17	•	To	otal- 112				
	What is a watershe	ed?										
1.	Pre-Survey	Correct: 95	Incorrect: 17		Percent: 85%	%	Percent Differ	ronco: 13%				
	Post-Survey	Correct: 109	Incorrect: 3		Percent: 97	%	Percent Dinei	ence: 12%				
	What do we do to examine the health of a river?											
2.	Pre-Survey	Correct: 87	Incorrect: 25		Percent: 78%	%	Davisout Diffe	20/				
	Post-Survey	Correct: 84	Incorrect: 28	8 Percent: 759		5%	Percent Differ	rence: 3%				
	Which of the follow	Which of the following would indicate a healthy river?										
3.	Pre-Survey	Correct: 111	Incorrect: 1		Percent: 99%	%	Percent Differ	ranca, 19/				
	Post-Survey	Correct: 110	Incorrect: 2		Percent: 98%	, 0	Percent Diner	ence. 1%				
	How do you feel ab	out science?										
		Love It	Like It	N	Neutral	Di	slike It	Hate It	NA			
6.	Pre-Survey	23	61		25		1	2	0			
	Post-Survey	20	56		33		3	0	0			
	How do you feel ab	out participating in t	his project?									
7.		Very Excited	Excited		ОК	Not S	So Excited	Not Excited At All	NA			
'.	Pre-Survey	28	48		30		4	2	0			
	Post-Survey	21	49		35		6	1	0			



	7 <sup>th</sup> Grade Evaluations Summary Report: Detroit Country Day Middle School												
	Boys- 70	Girls-		1 <sup>st</sup> Time- 16	<del>- i</del>	otal- 108							
	What is a watershe	ed?											
1.	Pre-Survey	Correct: 91	Incorrect: 17	Percent: 84	% Barrant B:	420/							
	Post-Survey	Correct: 105	Incorrect: 3	Percent: 97	Percent Diffe	rence: 13%							
	What do we do to examine the health of a river?												
2.	·												
	Post-Survey	Correct: 81	Incorrect: 27	Percent: 7	5% Percent Diffe	rence: 3%							
	Which of the following would indicate a healthy river?												
3.			Incorrect: 1	Percent: 99	%								
	Post-Survey	Correct: 106	Incorrect: 2	Percent: 98	% Percent Diffe	Percent Difference: 1%							
	How do you feel ab	out science?											
		Love It	Like It	Neutral	Dislike It	Hate It	NA						
6.	Pre-Survey	20	60	25	1	2	0						
	Post-Survey	17	55	33	3	0	0						
	How do you feel ab	out participating in th	his project?										
_		Very Excited	Excited	ОК	Not So Excited	Not Excited At All	NA						
7.	Pre-Survey	26	48	29	3	2	0						
	Post-Survey	19	49	34	5	1	0						



	7 <sup>th</sup> Grade Evaluations Summary Report: Smith Middle School												
	Boys- 1	Girls-		-	Γime- 1			otal- 1					
	What is a watershe	ed?											
1.	Pre-Survey	Correct: 1	Incorrect: 0 Percent: 10		Percent: 100%		Percent Difference: No Change						
	Post-Survey	Correct: 1	Incorrect: 0		Percent: 100%	Pe	ercent Differ	ence: No Change					
	What do we do to examine the health of a river?												
2.													
	Post-Survey	ence: No Change											
	Which of the following would indicate a healthy river?												
3.	Pre-Survey	Correct: 1	Incorrect: 0	Incorrect: 0		D	arcant Diffor	ence: No Change					
	Post-Survey	Correct: 1	Incorrect: 0		Percent: 100%	P	ercent Diner						
	How do you feel ab	out science?											
		Love It	Like It	N	eutral	Dislil	ke It	Hate It	NA				
6.	Pre-Survey	1	0		0	0		0	0				
	Post-Survey	1	0		0	0		0	0				
	How do you feel ab	out participating in th	nis project?										
7.		Very Excited	Excited		ОК	Not So I	Excited	Not Excited At All	NA				
/ '	Pre-Survey	1	0		0	0		0	0				
	Post-Survey	1	0		0	0		0	0				



	7 <sup>th</sup> Grade Evaluations Summary Report: Steppingstone School											
	Boys- 2	Girls-		1 <sup>st</sup> Time-			otal- 3					
	What is a watershe	ed?										
1.	Pre-Survey	Correct: 3	Incorrect: 0	Percent:	100%	Parcent Differ	ence: No Change					
	Post-Survey	Correct: 3	Incorrect: 0	Percent:	100%	Percent Diner	ence. No change					
	What do we do to examine the health of a river?											
2.	Pre-Survey	Correct: 2	Incorrect: 1	Percent:	67%	Downer Differ	anas, Na Changa					
	Post-Survey	Correct: 2	Incorrect: 1	Percent: 67%		Percent Differ						
	Which of the follow	ving would indicate a	healthy river?									
3.	Pre-Survey	Correct: 3	Incorrect: 0	Percent:	100%	Porcent Differ	ence: No Change					
	Post-Survey	Correct: 3	Incorrect: 0	Percent:	100%	Percent Diner	ence. No change					
	How do you feel ab	out science?										
6.		Love It	Like It	Neutral		Dislike It	Hate It	NA				
ь.	Pre-Survey	2	1	0		0	0	0				
	Post-Survey	2	1	0		0		0				
	How do you feel ab	out participating in t	his project?									
7.		Very Excited	Excited	ОК	No	ot So Excited	Not Excited At All	NA				
/.	Pre-Survey	1	0	1		1	0	0				
	Post-Survey	1	0	1		1	0	0				



#### 8-12<sup>th</sup> Grade Pre/Post Survey Analysis

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

					Grade Evaluations rall Summary						
Male	s- 254 Females- 2	244 8 <sup>th</sup> - 282	9 <sup>th</sup> - 40 1	.0 <sup>th</sup> - 20	11 <sup>th</sup> - 107	12 <sup>th</sup> - 49	1 <sup>st</sup> Time- 322	Total- 498			
	What is a watershe	ed?						I			
1.	Pre-Survey	Correct: 371	Incorrect: 127		Percent: 74%	Porcent Differe	unco: 12% Increase				
	Post-Survey	Correct: 429	Incorrect: 69		Percent: 86%	Percent Differen	Percent Difference: 12% Increase				
	What do we do to	determine the health	of a river?					<b> </b>			
2. Pre-Survey Correct: 251 Incorrect: 247 Percent: 50% Percent Difference: 31% Increase											
	Post-Survey	Correct: 405	Incorrect: 93		Percent: 81%	Percent Differe	ence: 31% increase				
	Which of the follow	ving would indicate o	n healthy river?								
3.	Pre-Survey	Correct: 207	Incorrect: 291		Percent: 42%	Dament Differen	420/ 1				
	Post-Survey	Correct: 269	Incorrect: 229		Percent: 54%	Percent Differe	ence: 12% Increase				
	The following pH will indicate an UNHEALTHY river:										
4.	Pre-Survey	Correct: 228	Incorrect: 270		Percent: 46%	Dovent Differs	ence: 19% Increase				
	Post Survey	Correct: 322	Incorrect: 176		Percent: 65%	Percent Differe					
	How do you feel ab	out science?						I			
7.		Love It	Like It		Neutral	Dislike It	Hate It	NA			
<b>'</b> . [	Pre-Survey	124	217		110	21	21	5			
	Post-Survey	130	227		95	27	17	2			
	How do you feel ab	out participating in	this project? // How d	lid you fe	el about participati	ing in this project?					
		Very Excited	Excited		ОК	Not So Excited	Not Excited At	NA			
8.							All				
	Pre-Survey	85	203		172	23	10	5			
	Post-Survey	112	168		159	28	21	10			

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	Do you think your grade in science will improve after participating in the Rouge Education Project?										
		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 <sup>th</sup> -12 <sup>th</sup> Grade Evaluations Summary Report: Allen Park High School											
Mal	les- 17	Females-	14	8 <sup>th</sup> Grade-	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade			1 <sup>st</sup> Time- 28	Total- 31		
	What is	a watersh	ed?									
1.		Pre-Survey	Cor	rect: 13	Incorrect: 18	3	Percent: 42%	Damant Differ				
	F	ost-Survey	Cor	rect: 21	Incorrect: 10	)	Percent: 68%	Percent Differ	ence: 26% Increase			
	What do we do to determine the health of a river?											
2.		Pre-Survey	Cor	rect: 6	Incorrect: 25	5	Percent: 19%	Damant Diff	750/ 1			
	P	ost-Survey	Cor	rect: 29	Incorrect: 2		Percent: 94%	Percent Differ	ence: 75% Increase			
	Which of the following would indicate a healthy river?											
3.		Pre-Survey			Incorrect: 16		Percent: 48%	2 . 2.00				
	P	ost-Survey	Cor	rect: 16	Incorrect: 15	5	Percent: 52%	Percent Differ	ence: 4% Increase			
	The foll	owing pH w	vill in	dicate an UNHE	ALTHY river:							
4.		Pre-Survey	Cor	rect: 16	Incorrect: 15		Percent: 52%	Davaget Differ	ence: 16% Increase			
	F	ost Survey	Cor	rect: 21	Incorrect: 10	)	Percent: 68%	Percent Differ	ence: 16% increase			
	How do	you feel al	out s	science?								
_				Love It	Like I	t	Neutral	Dislike It	Hate It	NA		
7.		Pre-Survey		3	15		10	2	1	0		
	P	ost-Survey		4	16		8	3	0	0		
	How do	you feel al	out p	participating in	this project? //	How did you f	eel about participa	iting in this project?		I		
8.			,	Very Excited	Excite	d	ОК	Not So Excited	Not Excited All	At NA		



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

				8 <sup>th</sup> -12 <sup>th</sup> Gr	ade Evaluations			
			Summary	Report: Chanc	ller Park Academy H	igh School		
Mal	es- 11 Females-	22 8 <sup>th</sup> Grade-	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade-	11 <sup>th</sup> Grade- 31	12 <sup>th</sup> Grade- 2	1 <sup>st</sup> Time- 28	Total- 33
	What is a watersh	ed?						
1.	Pre-Survey	Correct: 18	Incorrect: 15		Percent: 55%	Daniel Differen	420/ 1	
	Post-Survey	Correct: 32	Incorrect: 1		Percent: 97%	Percent Differe	nce: 42% Increase	
	What do we do to	determine the healt	h of a river?					
2.	Pre-Survey	Correct: 13	Incorrect: 20		Percent: 39%	Davisant Differe	200/ Increase	
	Post-Survey	Correct: 26	Incorrect: 7		Percent: 79%	Percent Differe	nce: 40% Increase	
	Which of the follow	ving would indicate	a healthy river?					
3.	Pre-Survey	Correct: 9	Incorrect: 24		Percent: 27%	Davisant Differe	210/ Increase	
	Post-Survey	Correct: 16	Incorrect: 17		Percent: 48%	Percent Differe	nce: 21% Increase	
	The following pH w	vill indicate an UNHL	EALTHY river:					
4.	Pre-Survey	Correct: 13	Incorrect: 20		Percent: 39%	Daniel Differen	220/ 1	
	Post Survey	Correct: 20	Incorrect: 13		Percent: 61%	Percent Differe	nce: 22% Increase	
	How do you feel al	oout science?						1
7		Love It	Like It		Neutral	Dislike It	Hate It	NA
7.	Pre-Survey	5	10		14	4	0	0
	Post-Survey	5	14		9	2	2	1



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

					8 <sup>th</sup> -12 <sup>th</sup> G	irade Evaluations					
				Summary	Report: Detr	oit Academy of Ar	ts & Sciences				
Ma	les- 27 Females	- 26	8 <sup>th</sup> Grade- 53	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade-	11 <sup>th</sup> Grade-	12 <sup>th</sup> Grade-	1 <sup>st</sup> Time- 42	Total- 53		
	What is a waters	ned?									
1.	Pre-Survey	Corr	ect: 19	Incorrect: 34		Percent: 36%	Demont Differe	410/ Incress			
	Post-Survey	Corr	rect: 41	Incorrect: 12 Percent: 77%		Percent Differe	Percent Difference: 41% Increase				
	What do we do to	deter	mine the health	of a river?					I		
2.	Pre-Survey	Corr	rect: 12	Incorrect: 41		Percent: 23%	Demont Differen	750/ 1			
	Post-Survey Correct		rect: 52	Incorrect: 1		Percent: 98%	Percent Differe	Percent Difference: 75% Increase			
	Which of the follo	wing v	vould indicate a	healthy river?					I		
3.	Pre-Survey	<del></del>		Incorrect: 44		Percent: 17%	Percent: 17% Percent Difference				
	Post-Survey	Corr	rect: 44	Incorrect: 9		Percent: 83%	Percent Differe	ence: 66% increase			
	The following pH	will ind	dicate an UNHEA	ALTHY river:							
4.	Pre-Survey	Corr	ect: 6	Incorrect: 47		Percent: 11%	Demont Differen	CC0/ In			
	Post Survey	Corr	ect: 41	Incorrect: 12		Percent: 77%	Percent Differe	ence: 66% Increase			
	How do you feel d	bout s	cience?								
7.			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		



	How do you feel ab	out participating in t	his project? // How did	you feel about participa	ting in this project?		
8.		Very Excited	Excited	ОК	Not So Excited	Not Excited At All	NA
	Pre-Survey	12	22	16	3	0	0
	Post-Survey	18	29	12	3	1	0
	Do you think your g	ırade in science will i	mprove after participat	ing in the Rouge Educati	on Project?		
		Definitely	Maybe	Unsure	Unlikely	<b>Definitely Not</b>	NA
9.	Pre Survey	16	29	6	1	0	1
	Post Survey	28	18	7	0	0	0

					8 <sup>th</sup> -12 <sup>th</sup> G	rade Evaluations						
				Summar	y Report: Detr	oit Country Day Mi	ddle School					
Ma	les- 69	Females-	41 8 <sup>th</sup> Grade- 110	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade-	11 <sup>th</sup> Grade-	12 <sup>th</sup> Grade-	1 <sup>st</sup> Time- 12	Total- 110			
	What is	s a watershe	ed?									
1.		Pre-Survey	Correct: 102	Incorrect: 8		Percent: 93%	Develop Difference 40/ Develop					
	F	Post-Survey	Correct: 101	Incorrect: 9		Percent: 92%	Percent Differ	Percent Difference: 1% Decrease				
	What a	lo we do to d	determine the healti	h of a river?					I			
2.		Pre-Survey	Correct: 75	Incorrect: 35		Percent: 68%	Damant Diffe	ence: 9% Increase				
	F	Post-Survey	Correct: 85	Incorrect: 25		Percent: 77%	Percent Differ					
	Which	Which of the following would indicate a healthy river?										
3.		Pre-Survey	Correct: 64	Incorrect: 46		Percent: 58%	Daycout Diffey	Percent Difference: 1% Decrease				
	F	Post-Survey	Correct: 63	Incorrect: 47		Percent: 57%	Percent Differ	ence: 1% Decrease				
	The fol	lowing pH w	ill indicate an UNHE	ALTHY river:					L			
4.		Pre-Survey	Correct: 60	Incorrect: 50		Percent: 55%	Daysout Diffey	over CO/ Decrees				
	F	Post Survey	Correct: 54	Incorrect: 56		Percent: 49%	Percent Differ	ence: 6% Decrease				
	How do	you feel ab	out science?						I			
7.			Love It	Like It		Neutral	Dislike It	Hate It	NA			
		Pre-Survey	31	46		19	5	6	3			



	Post-Survey	30	50	16	7	6	1
	How do you feel abo	out participating in t	his project? // How did	you feel about participa	ting in this project?		
8.		Very Excited	Excited	ОК	Not So Excited	Not Excited At All	NA
	Pre-Survey	9	40	48	7	3	3
	Post-Survey	6	29	54	10	10	1
	Do you think your g	rade in science will i	mprove after participat	ing in the Rouge Educati	on Project?	·	
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
9.	Pre Survey	3	40	33	20	11	3
	Post Survey	7	21	23	31	27	1

					Summary R	8 <sup>th</sup> -12 <sup>th</sup> G eport: Emerso	rade Evalu n Middle S		ojciechowski)		
Ma	les- 46	Females-	49	8 <sup>th</sup> Grade- 95	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade-	11 <sup>th</sup>	Grade-	12 <sup>th</sup> Grade-	1 <sup>st</sup> Time- 87	Total- 95
	What is	a watershe	2d?								I
1.		Pre-Survey	Cor	rect: 76	Incorrect: 19	Incorrect: 19		80%	Daysont Diffe	avanca. 20/ Increase	
	Post-Survey Correct: 79		rect: 79	Incorrect: 16 Percent: 83%		Percent Difference: 3% Increase					
	What d	o we do to	deter	mine the health	of a river?						
2.		Pre-Survey	ey Correct: 51		Incorrect: 44		Percent:	54%	Percent Difference: 31% Increase		
	Р	ost-Survey	Cor	rect: 81	Incorrect: 14		Percent: 85%		Percent Dille		
	Which o	of the follow	ving \	would indicate a	healthy river?						I
3.		Pre-Survey	Cor	rect: 22	Incorrect: 73		Percent:	23%	Dorsont Diff	avance: 119/ Decrease	
	Р	ost-Survey	Cor	rect: 11	Incorrect: 84		Percent:	12%	Percent Dille	erence: 11% Decrease	
	The foll	lowing pH w	vill in	dicate an UNHEA	ALTHY river:						L
4.		Pre-Survey	Cor	rect: 31	Incorrect: 64		Percent:	33%	Percent Difference: 27% Increase		
	Р	ost Survey	Cor	rect: 57	Incorrect: 38		Percent:	60%	Percent Diffe	erence: 27% increase	



	How do you feel ab	out science?					
_		Love It	Like It	Neutral	Dislike It	Hate It	NA
7.	Pre-Survey	13	52	22	3	5	0
	Post-Survey	10	53	21	7	4	0
	How do you feel ab	out participating in th	nis project? // How did	you feel about participe	ating in this project?	<u>l</u>	
		Very Excited	Excited	ОК	Not So Excited	Not Excited At	NA
8.						All	
	Pre-Survey	17	40	27	6	5	0
	Post-Survey	15	37	28	6	8	1
	Do you think your g	rade in science will in	nprove after participat	ing in the Rouge Educat	ion Project?		
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
9.	Pre Survey	16	49	20	7	3	0
	Post Survey	6	41	26	18	4	0

							rade Evaluations : Garden City High Sc	hool			
Ma	les- 15	Females-	18	8 <sup>th</sup> Grade-	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade- 5	11 <sup>th</sup> Grade- 8	12 <sup>th</sup> Grade- 20	1 <sup>st</sup> Time- 26	Total- 33	
	What is	s a watershe	?d?								
1.		Pre-Survey	Correc	t: 23	Incorrect: 2	orrect: 10 Percent: 70%		Dougout Difform	D 1000		
	Post-Survey		Correc	t: <b>2</b> 6	Incorrect: 7	7	Percent: 79%	Percent Difference: 9% Increase			
	What a	lo we do to	determi	ne the health	of a river?						
2.		Pre-Survey	ey Correct: 12		Incorrect: 21		Percent: 36%	Percent Difference: 52% Increase			
	P	ost-Survey	Correc	t: <b>2</b> 9	Incorrect: 4	1	Percent: 88%	Percent Differ	ence: 52% increase		
	Which	of the follow	ving wo	uld indicate d	healthy rive	r?	<u> </u>	<u> </u>	<u> </u>		
3.		Pre-Survey	Correc	t: 15	Incorrect: 2	18	Percent: 45%	Demont Differ	210/ Ingress		
	P	Post-Survey Correct: 25		t: 25	Incorrect: 8	3	Percent: 76%		Percent Difference: 31% Increase		
4	The fol	lowing pH w	ill indic	ate an UNHE	ALTHY river:						
4.		Pre-Survey   Correct: 20		Incorrect: 13 Percent: 61%		Percent Different	ence: 15% Increase				



	Post Survey	Correct: 25	Incorrect: 8	Percent: 76%			
	How do you feel at	oout science?				L	
-		Love It	Like It	Neutral	Dislike It	Hate It	NA
7.	Pre-Survey	9	15	6	2	1	0
	Post-Survey	9	17	6	1	0	0
	How do you feel al	oout participating in t	this project? // How did	you feel about participa	ting in this project?		
8.		Very Excited	Excited	ОК	Not So Excited	Not Excited At All	NA
	Pre-Survey	5	18	9	1	0	0
	Post-Survey	8	14	7	2	0	2
	Do you think your	grade in science will i	mprove after participati	ng in the Rouge Educati	on Project?		
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
9.	Pre Survey	6	16	6	4	1	0
	Post Survey	12	12	6	3	0	0

			Summar	8 <sup>th</sup> -12 <sup>th</sup> Grad y Report: Huron V	e Evaluations alley Lutheran Hi	igh School		
Ma	les- 14 Females-	11 8 <sup>th</sup> Grade-	9 <sup>th</sup> Grade- 25	10 <sup>th</sup> Grade-	11 <sup>th</sup> Grade-	12 <sup>th</sup> Grade-	1 <sup>st</sup> Time- 21	Total- 25
	What is a watersh	ed?						I
1.	Pre-Survey	Correct: 22	Incorrect: 3	Pe	rcent: 88%	Downer Differ	rence: 4% Increase	
	Post-Survey	Correct: 23	Incorrect: 2	Pe	rcent: 92%	Percent Differ		
	What do we do to	determine the heal	th of a river?					
2.	Pre-Survey	Correct: 13	Incorrect: 12	Pe	rcent: 52%	Devent Difference 200/ Increase		
	Post-Survey	Correct: 20	Incorrect: 5	Pe	rcent: 80%	Percent Difference: 28% Increase		
	Which of the follow	ving would indicate	a healthy river?					
3.	Pre-Survey	Correct: 12	Incorrect: 13	Pe	rcent: 48%	Downer Differ	40/ Increase	
	Post-Survey	Correct: 13	Incorrect: 12	Pe	rcent: 52%	Percent Differ	rence: 4% Increase	
4.	The following pH w	vill indicate an UNF	IEALTHY river:					



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

				Sumi		rade Evaluations ntercity Baptist High	School					
Ma	les- 9 Fer	nales- 11	8 <sup>th</sup> Grade- 20	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade-	11 <sup>th</sup> Grade-	12 <sup>th</sup> Grade-	1 <sup>st</sup> Time- 16	Total- 20			
	What is a wo	atershed?	)						L			
1.	Pre-S	urvey C	orrect: 19	Incorrect: 1		Percent: 95%	Percent Difference: 5% Decrease					
	Post-S	urvey C	orrect: 18	Incorrect: 2		Percent: 90%	Percent Differ	rence: 5% Decrease				
	What do we	do to det	ermine the health	of a river?					L			
2.	Pre-S	urvey C	orrect: 4	Incorrect: 16		Percent: 20%	Dorsont Diffor	rence: 45% Increase				
	Post-S	urvey C	orrect: 13	Incorrect: 7		Percent: 65%	Percent Differ	rence: 45% increase				
•	Which of the	Which of the following would indicate a healthy river?										
3.	Pre-S	urvey C	orrect: 2	Incorrect: 18		Percent: 10%	Percent Differ	rence: 40% Increase				



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

						de Evaluations			
				Summar	y Report: Lincoln <b>S</b>	Street Alternative F	ligh School		
Male	es- 17	Females-	7 8 <sup>th</sup> Grad	de- 9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade- 3	11 <sup>th</sup> Grade- 13	12 <sup>th</sup> Grade- 8	1 <sup>st</sup> Time- 16	Total- 24
	What is	a watershe	ed?						
1.	,	Pre-Survey	Correct: 10	Incorrect: 14	F	ercent: 42%	Percent Difference: 50% Increase		
	Р	Post-Survey Correct: 22		Incorrect: 2	F	ercent: 92%	Percent Differ		
	What d	o we do to d	determine the h	nealth of a river?					
2.		Pre-Survey	Correct: 9	Incorrect: 15	F	ercent: 38%	Dames Differen	270/ 1	
	Р	ost-Survey	Correct: 18	Incorrect: 6 Percent: 75%			ence: 37% Increase		
3.	Which o	of the follow	ving would indi	cate a healthy river?					



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

	8 <sup>th</sup> -12 <sup>th</sup> Grade Evaluations Summary Report: Novi High School											
Ma	Males- 7 Females- 6 8 <sup>th</sup> Grade- 9 <sup>th</sup> Grade- 10 <sup>th</sup> Grade- 7 11 <sup>th</sup> Grade- 5 12 <sup>th</sup> Grade- 1 1 <sup>st</sup> Time- 8 Total- 13											
	What is a watershed?											
1.		Pre-Survey   Correct: 12		Incorrect: 1	Р	ercent: 92%	Dorsont Difford	nco. 70/ Increase				
	Р	ost-Survey	Correct: 11	Incorrect: 2	Incorrect: 2 Perc		Percent Difference: 7% Increase					
	What d	o we do to d	letermine the hed	alth of a river?					I			
2.		Pre-Survey	Correct: 13	Incorrect: 0	P	ercent: 100%	Dorsont Difford	nco. 99/ Increase				
	Р	ost-Survey	Correct: 12	Incorrect: 1	P	ercent: 92%	Percent Differe	Percent Difference: 8% Increase				



	Which of the follow	ving would indicate a	n healthy river?				
3.	Pre-Survey	Correct: 9	Incorrect: 4	Percent: 69%	Percent Difference:	99/ Increase	
	Post-Survey	Correct: 10	Incorrect: 3	Percent: 77%	Percent Difference:	6% increase	
	The following pH w	vill indicate an UNHE	ALTHY river:				
4.	Pre-Survey	Correct: 11	Incorrect: 2	Percent: 85%	Percent Difference:	1F9/ Ingresses	
	Post Survey	Correct: 13	Incorrect: 0	Percent: 100%	Percent Difference:	15% increase	
	How do you feel ab	oout science?					
-		Love It	Like It	Neutral	Dislike It	Hate It	NA
7.	Pre-Survey	5	6	2	0	0	0
	Post-Survey	7	4	2	0	0	0
	How do you feel ab	oout participating in	this project? // How did	you feel about participat	ing in this project?		
		Very Excited	Excited	ОК	Not So Excited	Not Excited At	NA
8.						All	
	Pre-Survey	2	9	2	0	0	0
	Post-Survey	6	7	0	0	0	0
	Do you think your	grade in science will i	improve after participati	ing in the Rouge Educatio	on Project?		
		Definitely	Maybe	Unsure	Unlikely	<b>Definitely Not</b>	NA
9.	Pre Survey	0	7	3	3	0	0
	Post Survey	2	6	4	1	0	0

			Summary		ade Evaluations d Schools Technical	Campus SE			
Males- 4	Females-	4 8 <sup>th</sup> Grade-	9 <sup>th</sup> Grade-	10 <sup>th</sup> Grade-	11 <sup>th</sup> Grade- 5	12 <sup>th</sup> Grade- 3	1 <sup>st</sup> Time- 5	Total- 8	
What	is a watershed	d?						I	
1.	Pre-Survey	Correct: 8	Incorrect: 0		Percent: 100%	Downerst Differen	ones. No Change		
	Post-Survey Correct: 8 Incorrect: 0		Incorrect: 0	Percent: 100%		Percent Difference: No Change			
2. What		etermine the healtl	(			•			



	Pre-Survey	Correct: 7	Incorrect: 1	Percent: 88%	Percent Difference:	130/ Ingresses	
	Post-Survey	Correct: 8	Incorrect: 0	Percent: 100%	Percent Difference:	12% increase	
	Which of the follow	ving would indicate o	n healthy river?				
3.	Pre-Survey		Incorrect: 3	Percent: 63%	Daniel Diff	250/ 1	
	Post-Survey	Correct: 7	Incorrect: 1	Percent: 88%	Percent Difference:	25% Increase	
	The following pH w	vill indicate an UNHE	ALTHY river:				
4.	Pre-Survey		Incorrect: 1	Percent: 88%		400/1	
	Post Survey	Correct: 8	Incorrect: 0	Percent: 100%	Percent Difference:	12% Increase	
	How do you feel al	oout science?					
_	, , , , , , , , , , , , , , , , , , , ,	Love It	Like It	Neutral	Dislike It	Hate It	NA
7.	Pre-Survey	4	3	1	0	0	0
	Post-Survey	3	5	0	0	0	0
	How do you feel al	oout participating in	this project? // How did	you feel about participati	ng in this project?		
8.	, ,	Very Excited	Excited	ОК	Not So Excited	Not Excited At All	NA
	Pre-Survey	4	3	1	0	0	0
	Post-Survey	4	4	0	0	0	0
	Do you think your	grade in science will i	improve after participati	ing in the Rouge Education	n Project?		
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
9.	Pre Survey	1	3	3	1	0	0
	Post Survey	2	4	1	1	0	0

				Su		de Evaluations Roosevelt High Sch	ool				
Males- 9 Females- 23 8 <sup>th</sup> Grade- 9 <sup>th</sup> Grade- 15 10 <sup>th</sup> Grade- 5 11 <sup>th</sup> Grade- 6 12 <sup>th</sup> Grade- 6 1 <sup>st</sup> Time- 14 Total- 32											
	What is a watershed?										
1.	Pre-Surv	ey Cor	rect: 32	Incorrect: 0		ercent: 100%	Dorsont Diffor	ones, 169/ Decrees			
	Post-Survey Correct: 30 Incorrect: 2		P	ercent: 84%	Percent Differ	ence: 16% Decrease					



	What do we do to	determine the healt	h of a river?				
2.	Pre-Survey	Correct: 26	Incorrect: 6	Percent: 81%	Percent Difference	69/ Decrease	
	Post-Survey	Correct: 24	Incorrect: 8	Percent: 75%	Percent Differences	6% Decrease	
	Which of the follow	ving would indicate	a healthy river?				
3.	Pre-Survey	Correct: 20	Incorrect: 12	Percent: 63%	Percent Difference: 3% Increase		
	Post-Survey	Correct: 21	Incorrect: 11	Percent: 66%	Percent Differences	3% Increase	
	The following pH w	vill indicate an UNHL	EALTHY river:				
4.	Pre-Survey		Incorrect: 6	Percent: 81%			
	Post Survey	Correct: 26	Incorrect: 6	Percent: 81%	Percent Difference	: No Change	
	How do you feel al	out science?					
_		Love It	Like It	Neutral	Dislike It	Hate It	NA
7.	Pre-Survey	22	10	0	0	0	0
	Post-Survey	25	7	0	0	0	0
	How do you feel al	oout participating in	this project? // How did	you feel about participatii	ng in this project?		
		Very Excited	Excited	ОК	Not So Excited	Not Excited At	NA
8.		-				All	
	Pre-Survey	18	13	1	0	0	0
	Post-Survey	27	4	1	0	0	0
	Do you think your	grade in science will	improve after participati	ng in the Rouge Education	n Project?		
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA
9.	Pre Survey	5	21	5	1	0	0
	Post Survey	9	18	3	2	0	0

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



	Post-Survey	Correct: 4	Incorrect: 0	Percent: 100%								
	What do we do to	determine the healtl	n of a river?									
2.	Pre-Survey	Correct: 3	Incorrect: 1	Percent: 75%	Davaget Difference	250/ Ingresses						
	Post-Survey	Correct: 4	Incorrect: 0	Percent: 100%	Percent Difference:	25% increase						
	Which of the follow	ving would indicate	a healthy river?									
3.	Pre-Survey	Correct: 3	Incorrect: 1	Percent: 75%	Daniel Difference	No Characa						
	Post-Survey	Correct: 3	Incorrect: 1	Percent: 75%	Percent Difference: No Change							
	The following pH w	vill indicate an UNHE	ALTHY river:									
4.	Pre-Survey	Correct: 1	Incorrect: 3	Percent: 25%								
	Post Survey	Correct: 4	Incorrect: 0	Percent: 100%	Percent Difference:	75% Increase						
	How do you feel about science?											
-	, ,	Love It	Like It	Neutral	Dislike It	Hate It	NA					
7.	Pre-Survey	1	3	0	0	0	0					
	Post-Survey	2	1	1	0	0	0					
	How do you feel al	oout participating in	this project? // How did	you feel about participatir	ng in this project?	I						
8.		Very Excited	Excited	ОК	Not So Excited	Not Excited At All	NA					
	Pre-Survey	1	3	0	0	0	0					
	Post-Survey	2	2	0	0	0	0					
	Do you think your	grade in science will	improve after participati	ing in the Rouge Education	Project?							
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA					
9.	Pre Survey	1	2	1	0	0	0					
	Post Survey	1	1	1	1	0	0					

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



	What is a watersh	ed?									
1.	Pre-Survey	Correct: 13	Incorrect: 4	Percent: 76%	Percent Difference:	No Chango					
	Post-Survey	Correct: 13	Incorrect: 4	Percent: 76%	Percent Difference:	No Change					
	What do we do to	determine the health	of a river?			I					
2.	Pre-Survey	Correct: 7	Incorrect: 10	Percent: 41%	Damant Difference	470/ Danier					
	Post-Survey	Correct: 4	Incorrect: 13	Percent: 24%	Percent Difference:	17% Decrease					
	Which of the follow	ving would indicate (	a healthy river?								
3.	Pre-Survey	Correct: 14	Incorrect: 3	Percent: 82%		400/1					
	Post-Survey	Correct: 16	Incorrect: 1	Percent: 94%	Percent Difference:	12% Increase					
	The following pH w	vill indicate an UNHE	ALTHY river:	·							
4.	Pre-Survey	Correct: 11	Incorrect: 6	Percent: 65%		voort Difference, No Change					
	Post Survey	Correct: 11	Incorrect: 6	Percent: 65%	Percent Difference:	nt Difference: No Change					
	How do you feel about science?										
_	, ,	Love It	Like It	Neutral	Dislike It	Hate It	NA				
7.	Pre-Survey	3	8	5	0	0	1				
	Post-Survey	3	7	7	0	0	0				
	How do you feel al	out participating in	this project? // How did	you feel about participatir	ng in this project?						
8.		Very Excited	Excited	ОК	Not So Excited	Not Excited At All	NA				
	Pre-Survey	2	6	7	1	0	1				
	Post-Survey	3	4	10	0	0	0				
	Do you think your	grade in science will	improve after participati	ng in the Rouge Education	Project?						
		Definitely	Maybe	Unsure	Unlikely	Definitely Not	NA				
9.	Pre Survey	3	9	2	2	0	1				
	Post Survey	1	10	0	6	0	0				