

LITTLE WRITERS, BIG STEPS: DEVELOPING FOREIGN LANGUAGE WRITING IN
SECOND GRADERS THROUGH MODELING AND ADAPTED MATERIALS

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Annex A

Pre-test and Post-test Results

Annex A, Figure 1.

T-Test total results.

Total		
t-Test: Paired Two Sample for Means		
	Variable 1	Variable 2
Mean	32,1538461538462	36,0769230769231
Variance	127,974358974359	96,9102564102565
Observations	13	13
Pearson Correlation	0,784097239444152	
Hypothesized Mean Difference	0	
df	12	
t Stat	-1,9955295789807	
P(T<=t) one-tail	0,0345977143368439	
t Critical one-tail	1,78228755564932	
P(T<=t) two-tail	0,0691954286736877	
t Critical two-tail	2,17881282966723	

Note. Table of T-test results obtained by the students in the Pre-Test and Post-Test. Self-elaboration

Annex A, Figure 2.

T-test: Expression of ideas result.

Expression of Ideas		
t-Test: Paired Two Sample for Means		
	Variable 1	Variable 2
Mean	3,15384615384615	3,76923076923077
Variance	1,64102564102564	1,02564102564103
Observations	13	13
Pearson Correlation	0,60775023781361	
Hypothesized Mean Difference	0	
df	12	
t Stat	-2,12547572529623	
P(T<=t) one-tail	0,0274981332231654	
t Critical one-tail	1,78228755564932	
P(T<=t) two-tail	0,0549962664463309	
t Critical two-tail	2,17881282966723	

Note. Table of Expressions of ideas T-test results obtained by the students. Self-elaboration

Annex A, Figure 3.*T-test: Coherence and Organization results.***Coherence Organization**

t-Test: Paired Two Sample for Means

	Variable 1	Variable 2
Mean	3,07692307692308	3,69230769230769
Variance	2,07692307692308	1,73076923076923
Observations	13	13
Pearson Correlation	0,497007505884317	
Hypothesized Mean Difference	0	
df	12	
t Stat	-1,6	
P(T<=t) one-tail	0,0677902539225663	
t Critical one-tail	1,78228755564932	
P(T<=t) two-tail	0,135580507845133	
t Critical two-tail	2,17881282966723	

Note. Table of coherence and organization T-test results obtained by the students. Self-elaboration

Annex A, Figure 4.*T-test: Vocabulary results.***Vocabulary**

t-Test: Paired Two Sample for Means

	Variable 1	Variable 2
Mean	3,30769230769231	3,69230769230769
Variance	0,897435897435898	1,06410256410256
Observations	13	13
Pearson Correlation	0,872436002416941	
Hypothesized Mean Difference	0	
df	12	
t Stat	-2,73861278752583	
P(T<=t) one-tail	0,00898874021124328	
t Critical one-tail	1,78228755564932	
P(T<=t) two-tail	0,0179774804224866	
t Critical two-tail	2,17881282966723	

Note. Table of Vocabulary T-test results obtained by the students. Self-elaboration

Annex A, Figure 5.*T-test: Grammar results.***Grammar**

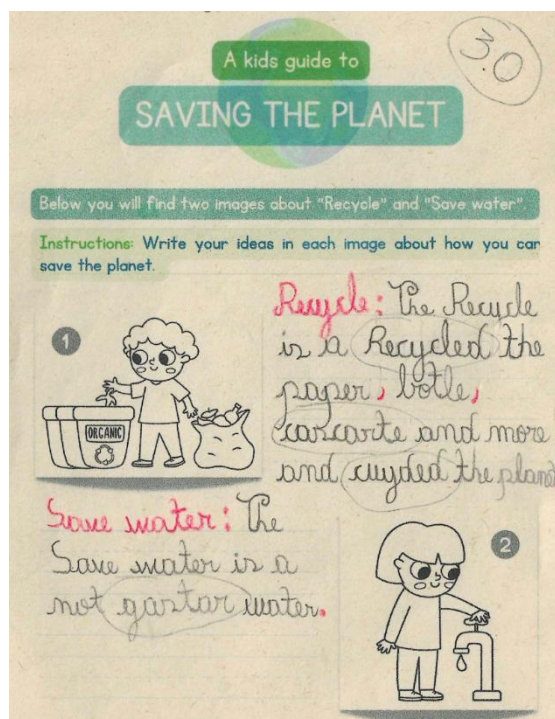
t-Test: Paired Two Sample for Means

	Variable 1	Variable 2
Mean	3,30769230769231	3,38461538461538
Variance	2,06410256410256	1,25641025641026
Observations	13	13
Pearson Correlation	0,644850503122908	
Hypothesized Mean Difference	0	
df	12	
t Stat	-0,248708001686904	
P(T<=t) one-tail	0,403896091605844	
t Critical one-tail	1,78228755564932	
P(T<=t) two-tail	0,807792183211688	
t Critical two-tail	2,17881282966723	

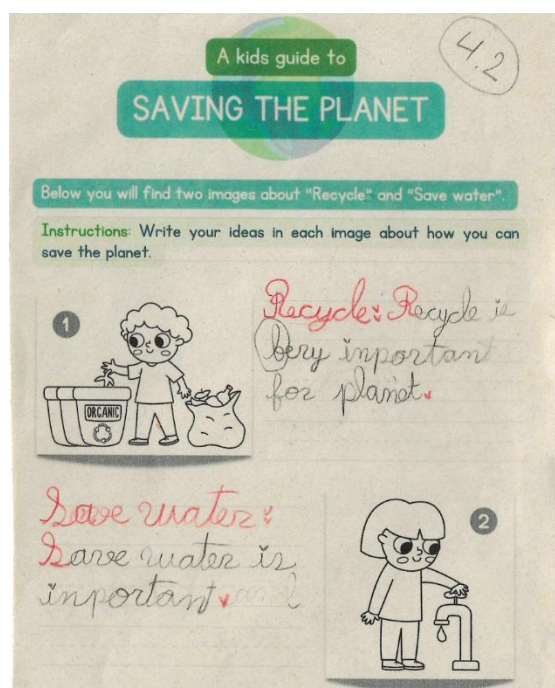
Note. Table of grammar T-test results obtained by the students. Self- elaboration

Annex A, Figure 6.*Results of the students in the Pre-test and Post-test.*

Note. To the left the results of the Pre-Test and to the right the results of the post-Test.



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