

Appendix 45**Descriptives T-test of Five Aspects of Speaking in Pretest – Posttest 3****Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pretest3_Pronunciation	14.7097	31	2.03623	.36572
	Posttest3_Pronunciation	16.3871	31	1.74504	.31342
Pair 2	Pretest3_Grammar	14.3871	31	2.02776	.36420
	Posttest3_Grammar	17.4194	31	1.72770	.31030
Pair 3	Pretest3_Vocabulary	13.4839	31	1.71018	.30716
	Posttest3_Vocabulary	16.3871	31	1.81984	.32685
Pair 4	Pretest3_Fluency	14.4516	31	2.11090	.37913
	Posttest3_Fluency	18.0645	31	1.82456	.32770
Pair 5	Pretest3_Comprehension	15.0968	31	1.35043	.24254
	Posttest3_Comprehension	16.0000	31	1.93218	.34703

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Pretest3_Pronunciation & Posttest3_Pronunciation	31	.370	.040
Pair 2	Pretest3_Grammar & Posttest3_Grammar	31	.637	.000
Pair 3	Pretest3_Vocabulary & Posttest3_Vocabulary	31	-.105	.574
Pair 4	Pretest3_Fluency & Posttest3_Fluency	31	.096	.607
Pair 5	Pretest3_Comprehension & Posttest3_Comprehension	31	.460	.009

Paired Samples Test

		Paired Differences							
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper	t	df	Sig. (2-tailed)
Pair 1	Pretest3_Pronunciation - Posttest3_Pronunciation	-1.67742	2.13521	.38350	-2.46062	-.89422	-4.374	30	.000
Pair 2	Pretest3_Grammar - Posttest3_Grammar	-3.03226	1.62242	.29140	-3.62737	-2.43715	-10.406	30	.000
Pair 3	Pretest3_Vocabulary - Posttest3_Vocabulary	-2.90323	2.62494	.47145	-3.86606	-1.94039	-6.158	30	.000
Pair 4	Pretest3_Fluency - Posttest3_Fluency	-3.61290	2.65427	.47672	-4.58650	-2.63931	-7.579	30	.000
Pair 5	Pretest3_Comprehension - Posttest3_Comprehension	-.90323	1.77679	.31912	-1.55496	-.25149	-2.830	30	.008