

## Appendix B MAP Communication Arts by Demographic

**TerraNova Score MAP Communications Art Score \* Cohort**

Cohort		TerraNova Score	MAP Communications Art Score
Cohort 1	Mean	51.59	632.56
	N	3884	3831
	Std. Deviation	28.937	39.892
Cohort 2	Mean	45.19	623.91
	N	1388	1367
	Std. Deviation	29.537	42.293
Total	Mean	49.91	630.29
	N	5272	5198
	Std. Deviation	29.229	40.712

**TerraNova Score MAP Communications Art Score \* Gender**

Gender		TerraNova Score	MAP Communications Art Score
Male	Mean	46.92	625.00
	N	2778	2717
	Std. Deviation	29.615	41.188
Female	Mean	53.38	636.24
	N	2485	2473
	Std. Deviation	28.375	39.310
Total	Mean	49.97	630.36
	N	5263	5190
	Std. Deviation	29.212	40.689

**TerraNova Score MAP Communications Art Score \* Qualifies for Free or Reduced Meals**

Qualifies for Free or Reduced Meals		TerraNova Score	MAP Communications Art Score
No	Mean	58.36	641.56
	N	1738	1713
	Std. Deviation	28.827	37.996
Yes	Mean	45.75	624.75
	N	3534	3485
	Std. Deviation	28.525	40.863
Total	Mean	49.91	630.29
	N	5272	5198
	Std. Deviation	29.229	40.712

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### TerraNova Score MAP Communications Art Score \* Individualized Education Plan

Individualized Education Plan		TerraNova Score	MAP Communications Art Score
No	Mean	53.90	636.54
	N	4460	4435
	Std. Deviation	27.735	35.608
Yes	Mean	28.00	593.93
	N	812	763
	Std. Deviation	27.479	48.728
Total	Mean	49.91	630.29
	N	5272	5198
	Std. Deviation	29.229	40.712

### Report

Race		TerraNova Score	MAP Communications Art Score
American Indian or Alaska Native	Mean	33.36	605.77
	N	14	13
	Std. Deviation	21.628	27.130
Asian/Pacific Islander	Mean	52.59	640.04
	N	46	46
	Std. Deviation	28.434	39.067
Black (Not Hispanic)	Mean	40.51	619.19
	N	1953	1922
	Std. Deviation	28.086	42.169
Hispanic	Mean	42.40	624.85
	N	334	326
	Std. Deviation	30.019	46.896
White (Not Hispanic)	Mean	57.16	638.35
	N	2917	2883
	Std. Deviation	27.843	36.942
Total	Mean	49.94	630.34
	N	5264	5190
	Std. Deviation	29.214	40.680

## Appendix B MAP Communication Arts by Demographic

### ANOVA

MAP Communications Art Score

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	445637.1	4	111409.271	70.953	.000
Within Groups	8141362	5185	1570.176		
Total	8586999	5189			

### Multiple Comparisons

Dependent Variable: MAP Communications Art Score

LSD

(I) Race	(J) Race	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
American Indian or Alaska Native	Asian/Pacific Islander	-34.274*	12.447	.006	-58.67	-9.87
	Black (Not Hispanic)	-13.424	11.027	.224	-35.04	8.19
	Hispanic	-19.080	11.207	.089	-41.05	2.89
	White (Not Hispanic)	-32.577*	11.015	.003	-54.17	-10.98
Asian/Pacific Islander	American Indian or Alaska Native	34.274*	12.447	.006	9.87	58.67
	Black (Not Hispanic)	20.850*	5.912	.000	9.26	32.44
	Hispanic	15.194*	6.241	.015	2.96	27.43
	White (Not Hispanic)	1.697	5.889	.773	-9.85	13.24
Black (Not Hispanic)	American Indian or Alaska Native	13.424	11.027	.224	-8.19	35.04
	Asian/Pacific Islander	-20.850*	5.912	.000	-32.44	-9.26
	Hispanic	-5.657*	2.373	.017	-10.31	-1.00
	White (Not Hispanic)	-19.153*	1.167	.000	-21.44	-16.87
Hispanic	American Indian or Alaska Native	19.080	11.207	.089	-2.89	41.05
	Asian/Pacific Islander	-15.194*	6.241	.015	-27.43	-2.96
	Black (Not Hispanic)	5.657*	2.373	.017	1.00	10.31
	White (Not Hispanic)	-13.497*	2.315	.000	-18.04	-8.96
White (Not Hispanic)	American Indian or Alaska Native	32.577*	11.015	.003	10.98	54.17
	Asian/Pacific Islander	-1.697	5.889	.773	-13.24	9.85
	Black (Not Hispanic)	19.153*	1.167	.000	16.87	21.44
	Hispanic	13.497*	2.315	.000	8.96	18.04

\*. The mean difference is significant at the .05 level.