Appendix: Supplementary Tables

Appendix Table 1 Tests for Discontinuity in the Probability of Reclassification
Appendix Table 1A
LAUSD: Size of Discontinuity for CST Reclassification Criteria

Sample Population for Outcome...		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
CST ELA 1 Year Later	Coef.	**0.492****	**0.660****	**0.551****	**0.769****	**0.905****	**0.825****
	S.E.	(0.009)	(0.008)	(0.014)	(0.011)	(0.005)	(0.009)
CST ELA 2 Years Later	Coef.	**0.513****	**0.663****	**0.522****	**0.770****	**0.901****	**0.804****
	S.E.	(0.010)	(0.008)	(0.020)	(0.013)	(0.006)	(0.014)
CST Math 1 Year Later	Coef.	**0.493****	**0.612****		**0.768****	**0.859****	
	S.E.	(0.009)	(0.014)		(0.011)	(0.011)	
CST Math 2 Years Later	Coef.	**0.512****			**0.770****		
	S.E.	(0.010)			(0.013)		
Graduation on Time	Coef.	**0.516****	**0.668****	**0.582****	**0.891****	**0.921****	**0.869****
	S.E.	(0.012)	(0.010)	(0.012)	(0.010)	(0.006)	(0.007)

Appendix Table 1B
SDUSD: Size of Discontinuity for CST Reclassification Criteria

Sample Population for Outcome...		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
CST ELA 1 Year Later	Coef.	**0.591****	**0.653****	**0.778****	**0.484****	**0.719****	**0.700****
	S.E.	(0.0320)	(0.0264)	(0.0385)	(0.0279)	(0.0209)	(0.0375)
CST ELA 2 Years Later	Coef.	**0.576****	**0.651****	**0.746****	**0.539****	**0.701****	**0.730****
	S.E.	(0.0335)	(0.0277)	(0.0532)	(0.0312)	(0.0240)	(0.0609)
CST Math 1 Year Later	Coef.	**0.592****	**0.668****		**0.486****	**0.638****	
	S.E.	(0.0319)	(0.0530)		(0.0279)	(0.0395)	
CST Math 2 Years Later	Coef.	**0.578****			**0.548****		
	S.E.	(0.0335)			(0.0314)		
Graduation on Time	Coef.	**0.592****	**0.645****	**0.763****	**0.394****	**0.729****	**0.494****
	S.E.	(0.0362)	(0.0282)	(0.0386)	(0.0610)	(0.0255)	(0.0311)

Notes: Tables 1A and 1B show coefficients and standard errors for the "ABOVE" dummy variable in a model of whether students are reclassified. The running variable was fit with a second-order polynomial. * and ** indicate significance at the 5% and 1% levels respectively. In this and later regression tables cells that are grey indicate models that could not be run because math test scores above grade 7 refer to different tests for different students

Appendix Table 2 McCrary test for Discontinuity in Number of Students above CST Reclassification Cutpoint

Appendix Table 2A: LAUSD

Outcome		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
CST ELA 1 Year Later	Coef.	87.70	769.7	196.1	215.5	-350.3	259.0
	S.E.	(904.8)	(394.1)	(215.6)	(861.4)	(307.5)	(275.1)
Graduation on Time	Coef.	26.84	560.2	208.2	36.07	-235.9	193.6
	S.E.	(555.3)	(264.8)	(232.5)	(267.1)	(218.4)	(359.8)

Appendix Table 2B: SDUSD

Outcome		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
CST ELA 1 Year Later (low attrition)	Coef.	31.67	70.14	2.715	-91.85	-145.4	7.058
	S.E.	(50.84)	(51.22)	(24.95)	(114.6)	(92.61)	(33.29)
Graduation on Time (high attrition)	Coef.	26.41	61.19	-1.539	3.964	-97.99	41.27
	S.E.	(42.46)	(44.93)	(25.63)	(34.25)	(56.34)	(67.49)

* and ** indicate significance at the 5% and 1% levels respectively.

Appendix Table 3 Checks for Discontinuities in Background Variables above the CST Reclassification Cutpoint

Appendix Table 3A: LAUSD

Baseline Variables		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
Spanish Home-Language	Coef.	-0.002	-0.001	-0.007	0.007	0.001	0.013
	S.E.	(0.007)	(0.007)	(0.012)	(0.006)	(0.006)	(0.009)
CELDT Listening Subscore	Coef.	1.841	0.779	2.684	-1.341	**-9.243****	**-4.878***
	S.E.	(1.536)	(1.390)	(1.749)	(1.537)	(1.578)	(2.161)
CELDT Reading Subscore	Coef.	0.877	**-2.943****	0.655	**-2.087***	**-5.766****	**-3.121***
	S.E.	(0.856)	(0.658)	(1.007)	(0.917)	(0.817)	(1.259)
CELDT Writing Subscore	Coef.	-0.430	**-2.589****	0.517	-1.079	**-4.405****	-2.130
	S.E.	(0.915)	(0.778)	(1.172)	(0.951)	(0.809)	(1.387)
CELDT Speaking Subscore*	Coef.				0.390	-2.741	1.215
	S.E.				(2.065)	(1.500)	(2.378)
CELDT Overall Score	Coef.	1.017	-0.989	1.619	-1.028	**-5.535****	**-2.250***
	S.E.	(0.833)	(0.758)	(0.992)	(0.730)	(0.658)	(0.989)
Math_Basic	Coef.	-0.017			-0.007		
	S.E.	(0.014)			(0.014)		
Math_Proficient	Coef.	**-0.0307***			-0.023		
	S.E.	(0.016)			(0.016)		
Female	Coef.	0.028	-0.000	-0.011	-0.018	-0.002	0.007
	S.E.	(0.017)	(0.014)	(0.020)	(0.016)	(0.013)	(0.018)
Academic Year	Coef.	0.0425	**0.0955****	**0.124****	-0.046	**0.298****	**0.185****
	S.E.	(0.028)	(0.030)	(0.040)	(0.056)	(0.042)	(0.059)
Grade Level	Coef.	**0.140****	-0.020	**0.075****	-0.035	**-0.187****	0.007

* and ** indicate significance at the 5% and 1% levels respectively.

Appendix Table 3B: SDUSD

Outcome		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
Spanish Home-Language	Coef.	0.0205	0.0147	-0.0709	-0.0359	0.00223	0.0304
	S.E.	(0.0411)	(0.0325)	(0.0503)	(0.0298)	(0.0267)	(0.0485)
CELDT Listening Subscore	Coef.	-8.689	-0.440	4.997	0.709	5.395	-6.343
	S.E.	(5.792)	(3.517)	(4.369)	(2.991)	(4.203)	(6.322)
CELDT Reading Subscore	Coef.	-1.891	2.193	3.367	1.491	-2.171	-6.248
	S.E.	(2.974)	(1.839)	(3.180)	(1.866)	(2.075)	(4.025)
CELDT Writing Subscore	Coef.	0.0190	-1.486	0.279	-0.129	1.103	-6.362
	S.E.	(2.739)	(2.165)	(3.711)	(1.746)	(2.204)	(4.305)
CELDT Speaking Subscore*	Coef.				5.243	-2.596	-7.866
	S.E.				(3.395)	(4.035)	(7.363)
CELDT Overall Score	Coef.	-4.810	-0.0393	3.412	1.804	0.405	**-6.651***
	S.E.	(2.999)	(1.881)	(2.659)	(1.346)	(1.671)	(2.890)
Math_Basic	Coef.	0.0473					
	S.E.	(0.0554)					
Math_Proficient	Coef.	-0.0106					
	S.E.	(0.0491)					
Female	Coef.	0.0271	0.0546	0.0874	0.0625	-0.0140	0.0109
	S.E.	(0.0575)	(0.0440)	(0.0629)	(0.0354)	(0.0373)	(0.0628)
Academic Year	Coef.	-0.0763	-0.0028	0.114	**-0.285***	0.219	0.00482
	S.E.	(0.0556)	(0.0431)	(0.0591)	(0.118)	(0.122)	(0.211)
Grade Level	Coef.	-0.0474	0.0690	0.0946	**-0.104***	0.0211	-0.111
	S.E.	(0.0652)	(0.0669)	(0.0636)	(0.0430)	(0.0568)	(0.0686)

*Listening and Speaking are combined tests in CELDT Era 1
Notes: The tables show coefficients and standard errors for the "ABOVE" dummy variable in a model with the variable listed in each row as the dependent variable. The running variable was fit with a second-order polynomial. The sample used for these analyses was the sample included in the RD model of CST test scores one year after the reclassification decision. Math_Basic and Math_Proficient are indicators for whether the student in the baseline year scored Basic or higher or Proficient or higher on the mathematics component of the state CST test. * and ** indicate significance at the 5% and 1% levels respectively.

Appendix Table 4A: Variable Summary Statistics (2nd Order Polynomial, 50 Bandwidth, CST ELA experiment) LAUSD

Variable		Intent to Treat					
		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
Lag CST ELA	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	318.634	303.874	294.734	320.831	301.872	295.819
	S.D.	21.120	24.028	23.140	20.052	23.848	23.594
CST ELA 1 year ahead	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	-0.199	-0.471	-0.579	-0.422	-0.766	-0.746
	S.D.	0.599	0.573	0.577	0.612	0.563	0.582
CST ELA 2 years ahead	# Obs	36,658	33,957	8,588	37,969	32,495	9,153
	Mean	-0.200	-0.445	-0.576	-0.440	-0.692	-0.733
	S.D.	0.617	0.589	0.612	0.619	0.589	0.601
CST math 1 year ahead	# Obs	40,094	13,743		48,296	13,005	
	Mean	-0.061	-0.334		-0.276	-0.516	
	S.D.	0.744	0.651		0.753	0.664	
CST math 2 years ahead	# Obs	36,510			37,919		
	Mean	-0.126			-0.312		
	S.D.	0.716			0.730		
Graduation on time	# Obs	22,851	24,136	12,957	12,799	22,864	14,944
	Mean	0.867	0.850	0.776	0.877	0.809	0.789
	S.D.	0.339	0.357	0.417	0.329	0.393	0.408
Reclassified	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	0.429	0.438	0.255	0.803	0.497	0.376
	S.D.	0.495	0.496	0.436	0.397	0.500	0.484
Spanish Home-Language	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	0.937	0.915	0.893	0.946	0.941	0.939
	S.D.	0.243	0.278	0.309	0.226	0.236	0.239
CELDT Listening Subscore	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	581.405	577.462	561.426	563.850	618.899	636.061
	S.D.	47.954	49.546	44.032	47.723	61.795	58.584
CELDT Reading Subscore	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	541.257	547.290	560.873	543.720	577.127	601.475
	S.D.	30.841	25.534	28.208	31.724	33.731	35.298
CELDT Writing Subscore	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	553.490	555.319	552.722	544.766	566.882	583.129
	S.D.	29.514	29.250	29.917	31.158	32.384	38.798
CELDT Speaking Subscore	# Obs				48361	41485	20622
	Mean				575.147	595.482	618.051
	S.D.				62.037	58.508	64.223

CELDT Overall Score	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	564.026	564.015	558.736	556.492	589.226	609.307
	S.D.	27.589	27.559	25.920	25.017	26.474	27.771
Math Basic (Proficiency)	# Obs	40,141			48,361		
	Mean	0.862			0.878		
	S.D.	0.345			0.328		
Math Proficient	# Obs	40,141			48,361		
	Mean	0.510			0.546		
	S.D.	0.500			0.498		
Female	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	0.544	0.557	0.519	0.515	0.494	0.421
	S.D.	0.498	0.497	0.500	0.500	0.500	0.494
Academic Year (Spring)	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	2005	2005	2005	2009	2009	2009
	S.D.	0.868	1.035	0.996	1.705	1.655	1.618
Grade Level	# Obs	40,141	37,577	16,769	48,361	41,485	20,622
	Mean	4.298	6.956	9.395	4.242	7.035	9.382
	S.D.	0.728	0.829	0.496	0.752	0.816	0.501

Appendix Table 4B: Variable Summary Statistics (2nd Order Polynomial, 50 Bandwidth, CST ELA experiment) SDUSD

Variable		Intent to Treat					
		CELDT Era 1			CELDT Era 2		
		g3-5	g6-8	g9-12	g3-5	g6-8	g9-12
Lag CST ELA	# Obs	3414	3903	1513	3740	6540	1931
	Mean	318.336	303.414	294.5711	328.2754	315.0205	308.2201
	S.D.	21.23772	23.0621	22.03317	17.57933	22.31107	23.63564
CST ELA 1 year ahead	# Obs	3414	3903	1513	3740	6540	1931
	Mean	-0.14117	-0.43368	-0.65106	-0.16839	-0.53032	-0.63011
	S.D.	0.584726	0.581855	0.559961	0.596396	0.575531	0.611109
CST ELA 2 years ahead	# Obs	3123	3486	838	2721	5026	712
	Mean	-0.13729	-0.44288	-0.61837	-0.13798	-0.49065	-0.55702
	S.D.	0.610692	0.60048	0.597909	0.606499	0.601279	0.622118
CST math 1 year ahead	# Obs	3412	1059		3735	2052	
	Mean	-0.09736	-0.21911		-0.15814	-0.31133	
	S.D.	0.713001	0.721949		0.734395	0.659195	
CST math 2 years ahead	# Obs	3114			2663		
	Mean	-0.08276			-0.08902		
	S.D.	0.723594			0.70781		
Graduation on time	# Obs	2595	3309	1384	893	4118	1750
	Mean	0.755684	0.647628	0.610549	0.853303	0.788975	0.724571
	S.D.	0.429764	0.477781	0.487802	0.354001	0.408085	0.446858
Reclassified	# Obs	3414	3903	1513	3740	6540	1931
	Mean	0.521383	0.419933	0.317911	0.462032	0.56789	0.45624
	S.D.	0.499616	0.493611	0.465819	0.498623	0.495407	0.49821
Spanish Home-Language	# Obs	3414	3903	1513	3740	6540	1931
	Mean	0.818395	0.837048	0.827495	0.760428	0.821101	0.812015
	S.D.	0.385575	0.369369	0.377944	0.426879	0.383297	0.390802
CELDT Listening Subscore	# Obs	3414	3903	1513	3740	6540	1931
	Mean	571.3617	560.5837	549.2855	574.4209	633.206	662.7861
	S.D.	48.35494	42.44957	35.53401	42.20504	57.69468	48.44208
CELDT Reading Subscore	# Obs	3414	3903	1513	3740	6540	1931
	Mean	544.4997	548.2121	561.727	563.969	591.8668	623.5422
	S.D.	28.13981	23.5968	24.93749	28.83008	29.90951	33.45035
CELDT Writing Subscore	# Obs	3414	3903	1513	3740	6540	1931
	Mean	553.0164	555.8101	553.5466	563.1457	578.7709	596.3729
	S.D.	24.92561	26.11882	28.60365	25.64098	30.48658	34.94739
CELDT Speaking Subscore	# Obs				3740	6540	1931
	Mean				548.212	585.8309	607.9855
	S.D.				48.95743	53.7016	56.87191

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CELDT Overall Score	# Obs	3414	3903	1513	3740	6540	1931
	Mean	559.7047	555.9221	553.0826	562.0594	597.0379	622.2947
	S.D.	25.97738	23.27223	21.37017	19.65197	23.97384	22.81604
Math Basic (Proficiency)	# Obs	3414					
	Mean	0.74546					
	S.D.	0.435666					
Math Proficient	# Obs	3414					
	Mean	0.384007					
	S.D.	0.486431					
Female	# Obs	3414	3903	1513	3740	6540	1931
	Mean	0.512009	0.476044	0.47191	0.50508	0.480122	0.386846
	S.D.	0.499929	0.49949	0.499375	0.500041	0.499643	0.487154
Academic Year (Spring)	# Obs	3414	3903	1513	3740	6540	1931
	Mean	2004.511	2004.531	2004.718	2009.717	2009.592	2009.606
	S.D.	0.499949	0.49911	0.449909	1.684818	1.61514	1.650733
Grade Level	# Obs	3414	3903	1513	3740	6540	1931
	Mean	4.451963	7.085831	9.354263	4.399733	6.984557	9.484205
	S.D.	0.644029	0.78789	0.502714	0.620028	0.791204	0.517201

Appendix Table 5
Robustness of the Estimates to the Order of Polynomials in the Running Variable CST Used

Table 5A: LAUSD

Outcome/Model			Intent to Treat				Treatment on Treated			
			4th	3rd	2nd	1st	4th	3rd	2nd	1st
CST ELA 1 Year Later	CELDT Era 1 ('03-'06)	Elm	-0.0388	-0.0332	-0.0286	**-0.0221***	-0.0855	-0.0726	-0.0605	**-0.0459***
			(0.0289)	(0.022)	(0.0162)	(0.0111)	(0.0638)	(0.0481)	(0.0343)	(0.0232)
		MS	0.0032	0.0068	0.0085	0.0167	0.0048	0.0103	0.0130	0.0251
			(0.0252)	(0.0185)	(0.0134)	(0.00902)	(0.0381)	(0.0283)	(0.0205)	(0.0135)
		HS	0.0099	0.0052	0.0033	0.0067	0.0185	0.0094	0.0062	0.0122
			(0.0331)	(0.026)	(0.0196)	(0.0136)	(0.0616)	(0.0471)	(0.0362)	(0.0248)
	CELDT Era 2 ('07-'12)	Elm	**-0.0825****	**-0.0818****	**-0.0742****	**-0.0389****	**-0.113****	**-0.110****	**-0.0962****	**-0.0498****
			(0.0292)	(0.0229)	(0.0172)	(0.0119)	(0.0406)	(0.031)	(0.0224)	(0.0153)
		MS	0.0023	-0.0150	0.0112	0.0066	0.0026	-0.0166	0.0124	0.0073
			(0.0204)	(0.0162)	(0.0124)	(0.00864)	(0.0227)	(0.0179)	(0.0137)	(0.00955)
		HS	0.0345	0.0344	0.0145	0.0199	0.0424	0.0421	0.0175	0.0239
			(0.0341)	(0.0261)	(0.0194)	(0.0134)	(0.0419)	(0.0319)	(0.0235)	(0.016)
CST ELA 2 Years Later	CELDT Era 1 ('03-'06)	Elm	-0.0164	-0.0221	**-0.0357***	-0.0160	-0.0345	-0.0462	**-0.0720***	-0.0320
			(0.0317)	(0.024)	(0.0177)	(0.0122)	(0.0668)	(0.0501)	(0.0357)	(0.0244)
		MS	0.0013	-0.0188	-0.0271	-0.0024	0.0020	-0.0286	-0.0412	-0.0037
			(0.0278)	(0.0206)	(0.0149)	(0.01)	(0.0422)	(0.0314)	(0.0227)	(0.015)
		HS	-0.0229	-0.0125	-0.0209	-0.0107	-0.0443	-0.0234	-0.0408	-0.0202
			(0.0486)	(0.0384)	(0.0291)	(0.0203)	(0.0942)	(0.0719)	(0.0567)	(0.0384)
	CELDT Era 2 ('07-'12)	Elm	-0.0120	-0.0046	0.0025	-0.0014	-0.0165	-0.0062	0.0032	-0.0017
			(0.0348)	(0.0271)	(0.0202)	(0.014)	(0.048)	(0.0362)	(0.0262)	(0.0177)
		MS	-0.0349	-0.0216	0.0013	-0.0081	-0.0391	-0.0240	0.0014	-0.0090
			(0.0252)	(0.02)	(0.0153)	(0.0106)	(0.0282)	(0.0222)	(0.017)	(0.0118)
		HS	0.0638	0.0289	-0.0245	-0.0112	0.0803	0.0365	-0.0305	-0.0139
			(0.0524)	(0.0403)	(0.0303)	(0.0211)	(0.0657)	(0.0508)	(0.0377)	(0.026)

CST Math 1 Year Later	CELDT Era 1 ('03-'06)	Elm	-0.0023	-0.0002	0.0105	**-0.0271***	-0.0052	-0.0004	0.0222	**-0.0563***
			(0.0349)	(0.0262)	(0.0194)	(0.0134)	(0.0768)	(0.0572)	(0.0409)	(0.0278)
		MS	0.0883	0.0341	0.0243	0.0218	0.1430	0.0566	0.0399	0.0346
			(0.0526)	(0.0400)	(0.0298)	(0.0206)	(0.085)	(0.0664)	(0.049)	(0.0327)
		HS								
	CELDT Era 2 ('07-'12)	Elm	**-0.0790***	**-0.0658***	-0.0247	**-0.0580****	**-0.109***	**-0.0883***	-0.0320	**-0.0744****
			(0.0343)	(0.0269)	(0.0203)	(0.014)	(0.0475)	(0.0362)	(0.0264)	(0.0179)
		MS	-0.0057	-0.0110	0.0077	0.0066	-0.0065	-0.0125	0.0089	0.0077
			(0.0500)	(0.0387)	(0.0291)	(0.0204)	(0.0574)	(0.0442)	(0.0338)	(0.0238)
		HS								
CST Math 2 Years Later	CELDT Era 1 ('03-'06)	Elm	0.0339	0.0251	0.0237	-0.0064	0.0713	0.0523	0.0478	-0.0129
			(0.0364)	(0.0273)	(0.0201)	(0.0138)	(0.0766)	(0.0569)	(0.0404)	(0.0277)
		MS								
		HS								
	CELDT Era 2 ('07-'12)	Elm	-0.0260	-0.0127	-0.0027	-0.0278	-0.0359	-0.0170	-0.0036	-0.0353
			(0.0396)	(0.0305)	(0.0227)	(0.0155)	(0.0547)	(0.0407)	(0.0293)	(0.0196)
		MS								
		HS								
Graduation on Time	CELDT Era 1 ('03-'06)	Elm	-0.0530	-0.0405	**-0.0315***	-0.0192	-0.1070	-0.0805	**-0.0625***	-0.0384
			(0.0273)	(0.0209)	(0.0157)	(0.011)	(0.0551)	(0.0415)	(0.0312)	(0.0221)
		MS	0.0155	0.0087	0.0148	**0.0186***	0.0235	0.0131	0.0224	**0.0273***
			(0.0242)	(0.018)	(0.013)	(0.00877)	(0.0367)	(0.0271)	(0.0196)	(0.0129)
		HS	**-0.0628****	**-0.0365***	**-0.0319***	-0.0049	**-0.110****	**-0.0619***	**-0.0549***	-0.0085

			(0.0235)	(0.0182)	(0.0136)	(0.0094)	(0.0413)	(0.0309)	(0.0235)	(0.0162)
CELDT Era 2 ('07-'12)	Elm		-0.0230	-0.0177	-0.0044	0.0045	-0.0255	-0.0196	-0.0049	0.0051
			(0.0385)	(0.0297)	(0.0219)	(0.0151)	(0.0427)	(0.0328)	(0.0243)	(0.0171)
	MS		-0.0068	-0.0021	-0.0035	-0.0110	-0.0075	-0.0023	-0.0038	-0.0119
			(0.022)	(0.0177)	(0.0136)	(0.00932)	(0.0241)	(0.0193)	(0.0148)	(0.0101)
	HS		-0.0275	-0.0053	0.0090	0.0029	-0.0317	-0.0062	0.0103	0.0033
			(0.0208)	(0.0161)	(0.0119)	(0.0082)	(0.0241)	(0.0186)	(0.0137)	(0.0093)

SOURCES: Authors' estimations

NOTES: Model of CST Math 1 Year Later for middle school students is only for students whose reclassification decision was in grade 6. ** indicate significance at the 5% and 1% levels respectively.:

Appendix Table 5B: SDUSD

Outcome/Model			Intent to Treat				Treatment on Treated			
			4th	3rd	2nd	1st	4th	3rd	2nd	1st
CST ELA 1 Year Later	CELDT Era 1 ('04-'05)	Elm	-0.0332	-0.0250	-0.0034	-0.0304	-0.0569	-0.0434	-0.00571	-0.0510
			(0.0993)	(0.0725)	(0.0526)	(0.0358)	(0.170)	(0.125)	(0.0879)	(0.0599)
		MS	0.0383	-0.00883	-0.033	-0.0026	0.0621	-0.0139	-0.0507	-0.0038
			(0.0766)	(0.0567)	(0.0418)	(0.0287)	(0.124)	(0.0893)	(0.0638)	(0.0427)
		HS	-0.0624	-0.171*	-0.138*	-0.0794	-0.0837	-0.216*	-0.177*	-0.102
			(0.110)	(0.0869)	(0.0668)	(0.0458)	(0.146)	(0.108)	(0.0849)	(0.0587)
	CELDT Era 2 ('07-'14)	Elm	0.0415	-0.000182	-0.0087	-0.0113	0.0896	-0.00040	-0.0174	-0.0195
			(0.0648)	(0.0491)	(0.0362)	(0.0244)	(0.140)	(0.108)	(0.0727)	(0.0422)
		MS	-0.0674	0.0183	-0.0185	-0.0320	-0.0978	0.0255	-0.0263	-0.0484
			(0.0670)	(0.0536)	(0.0400)	(0.0271)	(0.0969)	(0.0743)	(0.0566)	(0.0408)
		HS	-0.101	0.0800	-0.0557	-0.0481	-0.158	0.123	-0.0794	-0.0691
			(0.122)	(0.0896)	(0.0663)	(0.0468)	(0.189)	(0.137)	(0.0945)	(0.0670)
CST ELA 2 Years Later	CELDT Era 1 ('04-'05)	Elm	-0.120	-0.0947	-0.124*	-0.0744	-0.219	-0.171	-0.214*	-0.127
			(0.104)	(0.0786)	(0.0582)	(0.0404)	(0.191)	(0.144)	(0.102)	(0.0690)
		MS	0.0729	0.0157	-0.0649	-0.0320	0.121	0.0252	-0.0995	-0.0482
			(0.0901)	(0.0662)	(0.0484)	(0.0324)	(0.149)	(0.106)	(0.0743)	(0.0488)
		HS	0.327*	0.265*	0.129	0.134*	0.464*	0.346*	0.171	0.178*
			(0.146)	(0.114)	(0.0877)	(0.0632)	(0.218)	(0.154)	(0.117)	(0.0843)
	CELDT Era 2 ('07-'14)	Elm	-0.0102	-0.0206	-0.0453	-0.0432	-0.0186	-0.0393	-0.0827	-0.0711
			(0.0780)	(0.0590)	(0.0435)	(0.0290)	(0.142)	(0.112)	(0.0793)	(0.0477)
		MS	0.273**	0.170**	0.114*	0.00717	0.409**	0.238**	0.167*	0.0113
			(0.0760)	(0.0606)	(0.0466)	(0.0326)	(0.115)	(0.0851)	(0.0684)	(0.0513)
		HS	-0.227	-0.0434	-0.0515	-0.0988	-0.355	-0.0659	-0.0710	-0.143

Outcome	CELDT Era	Level								
			(0.198)	(0.160)	(0.118)	(0.0791)	(0.305)	(0.239)	(0.161)	(0.113)
CST Math 1 Year Later	CELDT Era 1 ('04-'05)	Elm	0.0181	0.0848	0.0302	-0.0306	0.0310	0.147	0.0505	-0.0512
			(0.123)	(0.0889)	(0.0644)	(0.0444)	(0.209)	(0.153)	(0.107)	(0.0743)
		MS	0.143	0.0116	-0.0267	0.0418	0.211	0.0164	-0.0396	0.0598
			(0.176)	(0.141)	(0.110)	(0.0784)	(0.254)	(0.197)	(0.163)	(0.112)
		HS								
	CELDT Era 2 ('07-'14)	Elm	-0.0689	-0.119	-0.0712	-0.0368	-0.149	-0.262	-0.142	-0.0637
			(0.0814)	(0.0636)	(0.0474)	(0.0321)	(0.176)	(0.141)	(0.0948)	(0.0556)
		MS	-0.397*	-0.265	-0.0709	-0.0857	-0.501*	-0.346	-0.106	-0.151
			(0.189)	(0.145)	(0.106)	(0.0676)	(0.241)	(0.189)	(0.158)	(0.119)
		HS								
CST Math 2 Years Later	CELDT Era 1 ('04-'05)	Elm	-0.0902	-0.0162	-0.0651	-0.0327	-0.165	-0.0293	-0.112	-0.0558
			(0.123)	(0.0900)	(0.0660)	(0.0463)	(0.226)	(0.163)	(0.114)	(0.0789)
		MS								
		HS								
	CELDT Era 2 ('07-'14)	Elm	-0.0892	-0.0956	-0.0460	-0.0489	-0.162	-0.180	-0.0828	-0.0802
			(0.107)	(0.0796)	(0.0570)	(0.0380)	(0.194)	(0.150)	(0.102)	(0.0621)
		MS								
		HS								
Graduation on Time	CELDT Era 1 ('04-'05)	Elm	-0.00236	0.0940	0.0666	0.0499	-0.00409	0.167	0.113	0.0841
			(0.106)	(0.0790)	(0.0582)	(0.0396)	(0.184)	(0.143)	(0.0991)	(0.0669)
		MS	-0.0964	0.0318	-0.0398	-0.0132	-0.163	0.0513	-0.0615	-0.0201

		(0.0850)	(0.0623)	(0.0454)	(0.0302)	(0.144)	(0.100)	(0.0701)	(0.0459)
	HS	0.145	0.0709	0.0657	0.0426	0.196	0.0908	0.0858	0.0553
		(0.102)	(0.0799)	(0.0605)	(0.0412)	(0.137)	(0.102)	(0.0787)	(0.0533)
	Elm	0.142	0.103	0.0289	0.0153	0.291	0.242	0.0721	0.0335
		(0.112)	(0.0795)	(0.0550)	(0.0353)	(0.238)	(0.193)	(0.137)	(0.0768)
CELDT Era 2 ('07-'14)	MS	0.00220	0.0225	-0.00984	-0.00789	0.00318	0.0312	-0.0138	-0.0121
		(0.0659)	(0.0522)	(0.0393)	(0.0268)	(0.0953)	(0.0718)	(0.0552)	(0.0408)
	HS	0.0476	0.0267	0.00961	-0.00643	0.108	0.0558	0.0189	-0.0119
		(0.0543)	(0.0416)	(0.0309)	(0.0207)	(0.123)	(0.0865)	(0.0607)	(0.0384)

SOURCES: Authors' estimations

NOTES: Model of CST Math 1 Year Later for middle school students is only for students whose reclassification decision was in grade 6. ** indicate significance at the 5% and 1% levels respectively.:

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Tables 6A and 6B below shows the relevant coefficients from a series of models of outcomes on the indicator for being above the CST ELA cutpoint, the listed moderator, and the interaction between the above indicator and the moderator. Thus each trio of coefficients in a column refer to a different model than the other trios of coefficients in the same column.

For LAUSD, there is a pattern where the indicator for being at or above the CST cutpoint is smaller (or more negative) when the student's home language is Spanish, when there is greater language homogeneity among ELs at the school, or when Spanish is more predominant in the neighborhood of the school or in the neighborhoods from which a school's students come.

APPENDIX TABLE 6A Estimates of the Effect of Moderators Variables on CST ELA One Year after Reclassification, CST as Running Variable, Each Trio of Coefficients Is a Uniquely Estimated Model, LAUSD, 2003-12

	Era 1				Era 2	
	Elementary	Middle School	High School	Elementary	Middle School	High School
above CST cutpoint	-0.0986**	0.0650**	0.0488	-0.138**	0.120**	0.137**
	(0.0377)	(0.0233)	(0.0314)	(0.0450)	(0.0289)	(0.0408)
Spanish * above	0.0734*	-0.163**	-0.205**	0.0664	-0.114**	-0.131**
	(0.0355)	(0.0169)	(0.0195)	(0.0428)	(0.0272)	(0.0375)
Spanish Home-Language	-0.280**	-0.0611**	-0.0508	-0.327**	-0.177**	-0.163**
	(0.0339)	(0.0204)	(0.0270)	(0.0416)	(0.0241)	(0.0298)
above CST cutpoint	0.00691	0.0315	-0.0180	-0.113**	0.0396*	0.0431
	(0.0307)	(0.0209)	(0.0303)	(0.0306)	(0.0190)	(0.0282)
% EL * above	-0.0606	-0.0547	0.0621	0.0791	-0.0894*	-0.101
	(0.0442)	(0.0380)	(0.0674)	(0.0511)	(0.0454)	(0.0708)
% EL	-0.0144	0.0366	-0.132**	-0.0621	-0.00563	-0.00448
	(0.0408)	(0.0299)	(0.0433)	(0.0483)	(0.0370)	(0.0494)
above CST cutpoint	-0.0449	0.0503*	0.0484	-0.109**	0.0945**	0.115**
	(0.0299)	(0.0197)	(0.0278)	(0.0321)	(0.0214)	(0.0317)
same language as all students*above	0.000222	-0.000619**	-0.000716*	0.000490	-0.00118**	-0.00147**
	(0.000337)	(0.000213)	(0.000303)	(0.000378)	(0.000246)	(0.000359)

same language as all student	-0.000923**	0.000262	-0.000434	-0.00143**	-0.000178	0.000989**
	(0.000328)	(0.000195)	(0.000254)	(0.000365)	(0.000212)	(0.000288)
above CST cutpoint	-0.0995**	0.0677**	0.0650*	-0.136**	0.128**	0.152**
	(0.0381)	(0.0236)	(0.0317)	(0.0431)	(0.0280)	(0.0401)
same language as EL students*above	0.000769*	-0.000673**	-0.000743*	0.000661	-0.00128**	-0.00155**
	(0.000370)	(0.000218)	(0.000294)	(0.000420)	(0.000274)	(0.000390)
same language as EL students	-0.00108**	-0.000369	-0.00177**	-0.00239**	-0.00107**	0.00148**
	(0.000414)	(0.000340)	(0.000484)	(0.000446)	(0.000346)	(0.000564)
above CST cutpoint				-0.146**	0.119**	0.228**
				(0.0556)	(0.0364)	(0.0574)
language homogeneity of ELs * above				0.0802	-0.119**	-0.242**
				(0.0565)	(0.0377)	(0.0604)
language homogeneity of ELs				-0.258**	-0.0616*	0.197**
				(0.0542)	(0.0306)	(0.0404)
above CST cutpoint	-0.0151	0.00972	-0.0894	-0.103**	0.0307	-0.0134
	(0.0257)	(0.0247)	(0.0478)	(0.0295)	(0.0243)	(0.0401)
% teachers have MA * above	-0.0521	-0.00686	0.296*	0.0849	-0.0543	0.0692
	(0.0778)	(0.0780)	(0.139)	(0.0730)	(0.0582)	(0.0869)
% teachers have MA	0.0589	0.259**	0.0531	-0.0784	0.0383	-0.176**
	(0.0714)	(0.0608)	(0.0879)	(0.0689)	(0.0489)	(0.0654)
above CST cutpoint	-0.0626	-0.0706*	-0.0494	0.00375	0.0243	-0.00692
	(0.0332)	(0.0291)	(0.0490)	(0.0353)	(0.0237)	(0.0360)
median years teaching experience * above	0.00290	0.00814**	0.00468	-0.00547*	-0.00116	0.00177
	(0.00249)	(0.00265)	(0.00400)	(0.00214)	(0.00177)	(0.00255)
median years teaching experience	-0.00161	-0.00456*	-0.00185	0.00636**	-0.00108	0.00138
	(0.00227)	(0.00207)	(0.00262)	(0.00209)	(0.00157)	(0.00185)
above CST cutpoint	-0.0293	0.00551	-0.00635	-0.0740**	-0.0318	0.0247
	(0.0164)	(0.0193)	(0.0470)	(0.0175)	(0.0180)	(0.0345)
% no ELD at school * above	0.0495	0.00856	0.0218	-0.00586	0.103**	-0.0275
	(0.142)	(0.0382)	(0.0957)	(0.145)	(0.0313)	(0.0757)

% no ELD at school	0.178	0.0138	-0.0535	0.199	-0.0738**	-0.0887
	(0.134)	(0.0291)	(0.0612)	(0.135)	(0.0243)	(0.0497)
above CST cutpoint	-0.00918	0.0806*	0.0306	-0.0672*	0.0564**	0.0843**
	(0.0393)	(0.0325)	(0.0477)	(0.0280)	(0.0176)	(0.0266)
% home language Spanish school zip neighborhood * above	-0.0636	-0.0663	-0.0657	-0.00589	-0.0730**	-0.120**
	(0.0475)	(0.0360)	(0.0538)	(0.0327)	(0.0205)	(0.0310)
% home language Spanish school zip neighborhood	0.0318	-0.0667*	-0.0306	-0.120**	-0.0530**	0.115**
	(0.0430)	(0.0286)	(0.0342)	(0.0308)	(0.0159)	(0.0211)
above CST cutpoint	-0.00506	0.102**	0.0608	-0.0620*	0.0703**	0.111**
	(0.0436)	(0.0385)	(0.0577)	(0.0311)	(0.0212)	(0.0321)
% home language Spanish home zip neighborhood * above	-0.0704	-0.0979*	-0.110	-0.0144	-0.0929**	-0.156**
	(0.0563)	(0.0489)	(0.0724)	(0.0386)	(0.0274)	(0.0408)
% home language Spanish home zip neighborhood	0.0373	-0.0710	0.0154	-0.131**	-0.0827**	0.158**
	(0.0510)	(0.0382)	(0.0470)	(0.0364)	(0.0211)	(0.0277)
above CST cutpoint	-0.00881	0.130**	0.0560	-0.0765	0.0505	0.0283
	(0.0588)	(0.0477)	(0.0915)	(0.0423)	(0.0259)	(0.0489)
% foreign-born in school zip neighborhood * above	-0.0914	-0.211*	-0.154	0.00913	-0.0913	-0.0341
	(0.118)	(0.0950)	(0.199)	(0.0849)	(0.0528)	(0.105)
% foreign-born in school zip neighborhood	-0.0434	-0.102	0.100	-0.0677	0.0372	0.115
	(0.107)	(0.0705)	(0.118)	(0.0801)	(0.0411)	(0.0726)
above CST cutpoint	0.00458	0.121	-0.0347	-0.0877	0.0542	0.0260
	(0.0750)	(0.0676)	(0.104)	(0.0522)	(0.0358)	(0.0582)
% foreign-born in home zip neighborhood * above	-0.124	-0.187	0.0602	0.0347	-0.0988	-0.0277
	(0.160)	(0.145)	(0.223)	(0.110)	(0.0771)	(0.125)
% foreign-born in home zip neighborhood	-0.0191	-0.121	0.171	-0.0597	0.0329	0.0778
	(0.144)	(0.106)	(0.137)	(0.104)	(0.0598)	(0.0878)
above CST cutpoint	-0.0339	0.0970*	0.0240	-0.0952**	0.0408*	0.0671*

	(0.0457)	(0.0385)	(0.0583)	(0.0323)	(0.0208)	(0.0321)
% in poverty in school zip neighborhood * above	-0.0319	-0.121	-0.0694	0.0443	-0.0593	-0.109*
	(0.0729)	(0.0617)	(0.0963)	(0.0509)	(0.0339)	(0.0520)
% in poverty in school zip neighborhood	-0.0744	-0.0844	-0.0241	-0.161**	-0.0539*	0.0623
	(0.0654)	(0.0485)	(0.0593)	(0.0480)	(0.0265)	(0.0351)
above CST cutpoint	-0.0483	0.137**	0.0377	-0.0905*	0.0462	0.105**
	(0.0531)	(0.0467)	(0.0736)	(0.0372)	(0.0255)	(0.0398)
% in poverty in home zip neighborhood*above	-0.00380	-0.199*	-0.0942	0.0357	-0.0691	-0.182**
	(0.0915)	(0.0814)	(0.130)	(0.0621)	(0.0442)	(0.0693)
% in poverty in home zip neighborhood	-0.140	-0.0758	-0.00197	-0.182**	-0.105**	0.131**
	(0.0821)	(0.0631)	(0.0796)	(0.0587)	(0.0343)	(0.0470)

SOURCES: Authors' estimates

NOTES: Each set of rows represents six different regressions. Coefficients and standard errors are reported for being just above the CST cutpoint, the moderator, and moderator * above. Other control variables used in the regressions reported in Table 5A are included for each regression. Regressions are Intent to treat, second order polynomial. ** indicate significance at the 5% and 1% levels respectively.

APPENDIX TABLE 6B Estimates of the Effect of Moderator Variables on CST ELA One Year After Reclassification, CST as Running Variable, Each Trio of Coefficients Is A Uniquely Estimated Model, SDUSD, 2004-14

	Era 1			Era 2		
	Elementary	Middle School	High School	Elementary	Middle School	High School
above CST cutpoint	0.0344	-0.0496	-0.101	-0.0103	-0.00848	-0.0953
	(0.0698)	(0.0558)	(0.0942)	(0.0441)	(0.0519)	(0.0895)
Spanish * above	-0.0443	0.0197	-0.131**	0.00212	-0.165**	-0.259**
	(0.0569)	(0.0439)	(0.0489)	(0.0329)	(0.0394)	(0.0623)
Spanish Home-Language	-0.0763	-0.137**	-0.0472	-0.136**	-0.0120	0.0492
	(0.0516)	(0.0340)	(0.0789)	(0.0302)	(0.0427)	(0.0722)
above CST cutpoint	-0.000210	-0.0178	-0.205**	-0.0467	-0.0345	-0.0323
	(0.0717)	(0.0504)	(0.0766)	(0.0467)	(0.0464)	(0.0777)
% EL * above	-0.000112	-0.000571	0.00283	0.000878	0.000597	-0.00114
	(0.00122)	(0.000984)	(0.00185)	(0.000720)	(0.000915)	(0.00222)
% EL	-0.00133	0.000397	0.000290	-0.00151*	-0.000425	0.00126
	(0.00110)	(0.000744)	(0.00114)	(0.000654)	(0.000824)	(0.00189)
above CST cutpoint	-0.0159	-0.0525	-0.159	-0.0398	-0.0318	-0.0607
	(0.0627)	(0.0493)	(0.0831)	(0.0414)	(0.0468)	(0.0807)
same language as all students*above	0.000253	0.000418	0.000529	0.000695	0.000324	0.000126
	(0.000734)	(0.000647)	(0.00129)	(0.000471)	(0.000565)	(0.00116)
same language as all student	-0.000179	0.000765	0.000584	-0.00147**	-0.000856	-5.63e-05
	(0.000699)	(0.000554)	(0.000892)	(0.000451)	(0.000527)	(0.00106)
above CST cutpoint	0.0171	-0.0566	-0.111	-0.0199	-0.0214	-0.165
	(0.0720)	(0.0577)	(0.0993)	(0.0460)	(0.0545)	(0.0918)
same language as EL students*above	-0.000335	0.000231	-0.000495	0.000222	5.91e-05	0.00150
	(0.000687)	(0.000529)	(0.00102)	(0.000424)	(0.000518)	(0.000874)
same language as EL students	0.000728	0.000678	0.00213	-0.000986*	-0.000746	-0.000938
	(0.000751)	(0.000773)	(0.00111)	(0.000474)	(0.000614)	(0.00102)

	(1)	(2)	(3)	(4)	(5)	(6)
above CST cutpoint	-0.0536	-0.0732	-0.136	-0.0579	-0.0249	-0.195
	(0.0864)	(0.0798)	(0.127)	(0.0527)	(0.0761)	(0.116)
language homogeneity of ELs * above	0.0607	0.0433	0.00684	0.0667	-0.0207	0.197
	(0.0938)	(0.0879)	(0.152)	(0.0583)	(0.0901)	(0.129)
language homogeneity of ELs	-0.100	-0.0820	0.152	-0.129*	-0.107	-0.214
	(0.0859)	(0.0756)	(0.0885)	(0.0545)	(0.0817)	(0.111)
above CST cutpoint	0.0494	0.0219	-0.107	0.0375	0.132*	-0.309*
	(0.0830)	(0.0771)	(0.141)	(0.0765)	(0.0650)	(0.155)
% teachers have MA * above	-0.128	-0.150	-0.0327	-0.0830	-0.259**	0.419
	(0.147)	(0.142)	(0.248)	(0.110)	(0.0979)	(0.240)
% teachers have MA	0.105	0.0582	-0.255	0.177	0.126	-0.458*
	(0.131)	(0.113)	(0.156)	(0.0986)	(0.0892)	(0.196)
above CST cutpoint	0.0487	0.00380	-0.0595	0.0904	0.133*	-0.139
	(0.0844)	(0.0874)	(0.138)	(0.0614)	(0.0608)	(0.119)
median years teaching experience * above	-0.00515	-0.00429	-0.00540	-0.00721*	-0.0119**	0.00667
	(0.00610)	(0.00671)	(0.00959)	(0.00352)	(0.00396)	(0.00754)
median years teaching experience	0.00201	-0.000415	-0.0106	0.00708*	0.0106**	-0.0104
	(0.00543)	(0.00540)	(0.00579)	(0.00316)	(0.00354)	(0.00649)
above CST cutpoint					0.0183	-0.0384
					(0.0524)	(0.0724)
% no ELD at school * above					-0.000461	-0.00103
					(0.000684)	(0.00138)
% no ELD at school					0.000333	0.00133
					(0.000628)	(0.00122)
above CST cutpoint				-0.0119	-0.0399	-0.0110
				(0.0527)	(0.0461)	(0.0740)
% home language Spanish school zip neighborhood * above				0.0767	0.111	-0.201
				(0.0869)	(0.0785)	(0.163)
% home language Spanish school zip neighborhood				-0.176*	-0.149*	0.0156

	(0.0790)	(0.0706)	(0.135)
above CST cutpoint	-0.0198	-0.0782	-0.0103
	(0.0573)	(0.0548)	(0.0965)
% home language Spanish home zip neighborhood * above	0.0965	0.209	-0.115
	(0.105)	(0.109)	(0.211)
% home language Spanish home zip neighborhood	-0.197*	-0.269**	-0.00853
	(0.0955)	(0.0975)	(0.180)
above CST cutpoint	0.0366	-0.0229	0.124
	(0.0705)	(0.0570)	(0.0955)
% foreign-born in school zip neighborhood * above	-0.0774	0.0431	-0.746*
	(0.178)	(0.153)	(0.298)
% foreign-born in school zip neighborhood	-0.100	-0.107	0.355
	(0.162)	(0.138)	(0.253)
above CST cutpoint	0.0392	-0.0722	0.205
	(0.0859)	(0.0833)	(0.154)
% foreign-born in home zip neighborhood * above	-0.0815	0.207	-0.871
	(0.233)	(0.248)	(0.482)
% foreign-born in home zip neighborhood	-0.0858	-0.322	0.159
	(0.213)	(0.221)	(0.416)
above CST cutpoint	-0.0250	-0.0618	0.0383
	(0.0615)	(0.0532)	(0.0915)
% in poverty in school zip neighborhood * above	0.0906	0.140	-0.259
	(0.102)	(0.0935)	(0.183)
% in poverty in school zip neighborhood	-0.203*	-0.164	0.0400
	(0.0924)	(0.0841)	(0.154)
above CST cutpoint	-0.0510	-0.0983	-0.0112
	(0.0669)	(0.0667)	(0.119)

% in poverty in home zip neighborhood*above	0.150	0.215	-0.0899
	(0.119)	(0.126)	(0.237)
% in poverty in home zip neighborhood	-0.252*	-0.291*	-0.0335
	(0.108)	(0.113)	(0.203)

Table 7 re-runs the model for CST ELA scores one year after the reclassification, but this time including the moderating variables all at the same time in LAUSD.

Appendix Table 7 Estimates of the Effect of Moderator Variables on CST ELA One Year after Reclassification, CST as Running Variable, Moderators Estimated Simultaneously, LAUSD, 2003-12

	Era 1			Era 2		
	Elementary	Middle	High School	Elementary	Middle	High School
above	-0.0262	0.106	0.232	-0.180**	0.128**	0.175*
	(0.0789)	(0.0861)	(0.151)	(0.0587)	(0.0465)	(0.0690)
Spanish * above	0.0206	-0.0421	-0.0840	0.0683	-0.107**	-0.181**
	(0.0554)	(0.0422)	(0.0563)	(0.0436)	(0.0276)	(0.0515)
Spanish Home-Language	-0.254**	-0.158**	-0.170**	-0.299**	-0.159**	-0.112**
	(0.0521)	(0.0356)	(0.0399)	(0.0423)	(0.0244)	(0.0383)
% no ELD at school	-0.114	-0.0815	0.0610	0.273*	-0.0766**	0.0184
	(0.227)	(0.0626)	(0.109)	(0.139)	(0.0267)	(0.0785)
% no ELD at school * above	0.600*	0.0152	-0.131	0.0294	0.107**	-0.285**
	(0.252)	(0.0834)	(0.179)	(0.150)	(0.0348)	(0.0620)
% EL	0.0477	-0.0648	-0.244**	0.0206	0.0596	0.0843
	(0.0718)	(0.0755)	(0.0916)	(0.0534)	(0.0464)	(0.0868)
% EL * above	-0.0446	0.0539	0.205	0.105	0.0678	-0.0847
	(0.0794)	(0.0994)	(0.150)	(0.0565)	(0.0585)	(0.0670)
% teachers have MA	-0.00738	0.288*	0.337*	-0.111	-0.0492	0.0114
	(0.103)	(0.121)	(0.161)	(0.0703)	(0.0510)	(0.0896)
% teachers have MA*above	0.0275	0.0383	-0.225	0.0868	-0.0631	0.233**
	(0.115)	(0.156)	(0.265)	(0.0745)	(0.0600)	(0.0346)
% home language Spanish home zip neighborhood	0.0250	-0.0312	0.127	-0.128**	-0.119**	-0.151**
	(0.0558)	(0.0498)	(0.0650)	(0.0396)	(0.0249)	(0.0494)
% home language Spanish home zip neighborhood * above	-0.0549	-0.105	-0.169	-0.0573	-0.0927**	0.00701**
	(0.0624)	(0.0657)	(0.101)	(0.0420)	(0.0321)	(0.00145)
Constant	-2.283**	-3.048**	-2.918**	128.2**	128.7**	70.87**
	(0.131)	(0.147)	(0.253)	(3.007)	(4.141)	(6.218)
Observations	15,127	11,482	5,186	48,325	40,320	20,416
R-squared	0.343	0.277	0.239	0.287	0.246	0.168

Robust standard errors in parentheses

** p<0.01, * p<0.05