

Appendix B: Validity of the CSAP 2006 Assessments

Table B-1. Alignment Summary, Reading & Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	6	86%
	2	12	5	2	40%
	3	29	6	5	83%
4	1	32	8	8	100%
	2	19	5	4	80%
	3	29	5	4	80%
	4	12	5	4	80%
	5	14	6	4	67%
5	1	26	7	6	86%
	2	19	7	7	100%
	3	31	5	5	100%
	4	15	5	4	80%
	5	17	7	5	71%
	6	13	4	3	75%
6	1	24	7	7	100%
	2	19	7	7	100%
	3	32	5	5	100%
	4	17	5	5	100%
	5	17	7	4	57%
	6	13	4	3	75%
7	1	20	9	7	78%
	2	19	8	6	75%
	3	31	6	6	100%
	4	17	5	4	80%
	5	19	7	5	71%
	6	16	4	4	100%
8	1	22	7	7	71%
	2	18	7	6	86%
	3	32	6	5	83%
	4	18	5	4	80%
	5	16	6	4	67%
	6	16	4	3	75%
9	1	27	7	7	100%
	2	19	8	6	75%
	3	31	6	5	83%
	4	15	5	5	100%
	5	17	6	5	83%
	6	13	5	3	60%
10	1	25	7	6	86%
	2	19	9	6	67%
	3	31	5	5	100%
	4	15	6	4	67%
	5	17	6	4	67%
	6	12	4	3	75%

Table B-2. Alignment Summary, Mathematics

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	8	13	8	62%
	2/3	11	10	7	70%
	4/5	14	15	10	67%
	6	7	9	6	67%
4	1	14	11	9	82%
	2	9	6	5	83%
	3	11	6	5	83%
	4/5	21	15	11	73%
	6	14	10	7	70%
5	1	16	13	9	69%
	2	12	7	7	100%
	3	11	15	6	40%
	4/5	14	22	10	45%
	6	16	12	7	58%
6	1	12	8	7	86%
	2	10	6	5	83%
	3	11	9	7	78%
	4/5	16	17	11	65%
	6	11	8	5	63%
7	1/6	19	18	11	61%
	2	12	5	5	100%
	3	12	9	7	78%
	4/5	17	14	9	64%
8	1/6	15	10	7	70%
	2	15	6	6	100%
	3	12	9	6	67%
	4/5	18	11	10	91%
9	1/6	13	9	6	67%
	2	17	12	9	75%
	3	15	14	8	57%
	4/5	15	9	9	100%
10	1/6	13	11	7	64%
	2	17	14	10	71%
	3	15	22	11	50%
	4/5	15	17	11	65%

Table B-3. Alignment Summary, Science

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
5	1/6	27	13	7	54%
	2/5	15	20	3	15%
	3/5	15	50	6	12%
	4/5	18	51	5	10%
8	1/6	27	42	7	17%
	2/5	19	32	3	9%
	3/5	20	74	4	5%
	4/5	17	69	3	4%
10	1/6	28	27	11	41%
	2/5	19	33	3	9%
	3/5	18	76	4	5%
	4/5	18	70	4	6%

Table B-4. Alignment Summary, Spanish Reading & Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	5	71%
	2	20	5	1	20%
	3	33	6	5	83%
4	1	31	8	6	75%
	2	19	5	4	80%
	3	34	5	4	80%
	4	14	6	5	83%
	5	13	6	3	50%
	6	11	4	3	75%

Table B-5. Items Flagged for DIF by Gender or Ethnicity Focal Group, in Favor of (+) and against (*)

Content Area	Grade	Item #	Item Type	Focal Group ¹						Observed-Predicted
				F	M	B	H	A	W	
Reading	3	22	CR					+		0.108
Reading	4	27	CR		*					-0.117
Reading	5	19	CR					+		0.139
Reading	5	49	CR	+						0.121
Reading	6	12	CR				+	+		0.122, 0.188
Reading	6	21	CR		*			+		-0.136, 0.128
Reading	6	43	CR		*					-0.135
Reading	6	98	CR					+		0.162
Reading	7	19	CR	+	*			+		0.118, -0.132, 0.128
Reading	7	20	CR					+		0.101
Reading	7	89	CR	*	*	*	*	*	*	-0.119, -0.151, -0.129, -0.113, -0.123, -0.146
Reading	7	115	CR			+		+		0.108, 0.112
Reading	8	13	CR					+		0.126
Reading	8	37	CR					+		0.144
Reading	8	107	CR		*			+		-0.160, 0.130
Reading	8	114	CR			*				-0.109
Reading	9	7	MC					*		-0.116
Reading	9	26	CR	+				+		0.124, 0.150
Reading	9	38	CR					+		0.130
Reading	9	43	CR					+		0.107
Reading	9	100	CR		*			+		-0.131, 0.121
Reading	10	9	CR			*				-0.123
Reading	10	20	CR	*						-0.108
Reading	10	28	CR					+		0.154
Reading	10	41	CR			*				-0.108
Reading	10	43	CR		*			+		-0.122, 0.109
Reading	10	49	CR			+	+	+		0.116, 0.105, 0.130
Reading	10	50	CR		*			+		-0.102, 0.106
Reading	10	96	CR					+		0.112

¹F = Female (N = 26537-28686)

M = Male (N = 26955-30148)

B = African American (N = 3116-3492)

H = Hispanic (N = 11524-15334)

A = Asian (N = 1666-1966)

W = White (N = 36135-36981)

+ = favoring

* = disfavoring

Table based on GRT data.

Table B-5. Items Flagged for DIF by Gender or Ethnicity Focal Group, in Favor of (+) and against (*) (Concluded)

Content Area	Grade	Item #	Item Type	Focal Group ¹						Observed-Predicted
				F	M	B	H	A	W	
Writing	4	2F	CR					+		0.149
Writing	4	57	MC					*		-0.133
Writing	5	2C	CR					*		-0.119
Writing	5	52	MC					*		-0.127
Writing	5	92	CR				+			0.104
Writing	6	3A	CR	+						0.108
Writing	6	3B	CR	+						0.103
Writing	6	78	CR	+	*					0.106, -0.107
Writing	7	2F	CR					+		0.130
Writing	7	47	MC					*		-0.177
Writing	7	65	CR	+			+			0.145, 0.102
Writing	7	88	CR		*					-0.145
Writing	7	118	CR		*					-0.113
Writing	8	2F	CR					*		-0.110
Writing	8	86	CR		*					-0.104
Writing	9	2A	CR					*		-0.243
Writing	9	2C	CR					*		-0.115
Writing	9	24	CR		*					-0.113
Writing	9	74	MC					*		-0.118
Writing	9	76	MC					*		-0.102
Writing	9	87	MC	*	+					-0.117, 0.106
Writing	9	89	MC	*	+					-0.126, 0.119
Writing	9	92	CR		*					-0.129
Writing	10	63	MC					*		-0.144
Writing	10	95	CR		*					-0.104
Writing	10	115	CR		*					-0.106
Mathematics	3	20	CR			*				-0.110
Mathematics	5	13	CR			*				-0.104
Mathematics	5	53	CR			+				0.112
Mathematics	6	16	CR		*					-0.107
Mathematics	6	29	CR			+				0.125
Mathematics	7	60	CR	+						0.146
Mathematics	9	50	CR					*		-0.102
Mathematics	10	9	CR					*		-0.117
Mathematics	10	20	CR					*	*	-0.117, -0.105
Mathematics	10	40	CR	+				+		0.106, 0.156
Mathematics	10	60	CR					+		0.127
Science	5	5	CR			*				-0.103
Science	8	24	CR	+	*			+		0.166, -0.223, 0.212
Science	8	65	CR					+		0.117
Science	10	21	CR		*	*		+		-0.151, -0.131, 0.218
Science	10	71	CR					*		-0.135

¹F = Female (N = 26537-28686)
M = Male (N = 26955-30148)
B = African American (N = 3116-3492)

H = Hispanic (N = 11524-15334)
A = Asian (N = 1666-1966)
W = White (N = 36135-36981)

+ = favoring
* = disfavoring
Table based on GRT data.

Table B-6. 2006 Items Flagged for DIF by Accommodations Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹					Observed-Predicted
				T	S	E	O	N	
RD	3	14	CR		+				0.170
RD	3	21	MC		*				-0.103
RD	3	24	CR		+				0.346
RD	3	27	CR		+				0.103
RD	3	33	CR		+				0.109
RD	4	11	MC		*				-0.126
RD	4	14	CR		+				0.189
RD	4	17	CR		+				0.190
RD	4	38	CR		+				0.136
RD	4	44	CR		+				0.205
RD	4	97	CR		+				0.104
RD	4	103	CR		*				-0.108
RD	4	116	CR		+				0.231
RD	5	19	CR		+				0.126
RD	5	44	CR		+				0.163
RD	5	50	CR		+				0.148
RD	6	12	CR				+		0.128
RD	6	27	MC		+				0.113
RD	6	45	CR		+				0.170
RD	7	19	CR		*				-0.111
RD	7	24	MC		+				0.116
RD	7	44	CR					*	-0.142
RD	7	109	CR	+	+				0.101, 0.171
RD	7	115	CR		+				0.161
RD	8	4	MC		*				-0.116
RD	8	91	MC		+				0.138
RD	8	109	MC		+				0.112
RD	8	114	CR		+				0.212
RD	9	9	MC		+				0.130
RD	9	17	MC		+				0.209
RD	9	43	CR		+				0.197
RD	9	98	MC		*				-0.108
RD	9	100	CR				*		-0.131
RD	9	101	MC		*				-0.102
RD	9	105	MC		+				0.102
RD	10	41	CR	+	+				0.260, 0.403
RD	10	99	MC		*				-0.112
RD	10	104	MC	*					-0.101
WR	3	5	CR		*				-0.150
WR	3	22	MC				+		0.105
WR	3	30	CR		+				0.113
WR	3	39	CR		+				0.110

¹T =Teacher-read Directions (N=469-3086); S = Scribe (N=84-971); E= Extended Timing (N=1440-7178); O=Oral Test (Math and Writing only; N=799-5389); N = No Accommodation (N=51405); + = favoring; * = disfavoring.

Table B-6 (continued). 2006 Items Flagged for DIF by Accommodations Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹					Observed-Predicted
				T	S	E	O	N	
WR	4	2	CR		*				-0.124
WR	4	3	CR		+				0.113
WR	4	3	CR		+				0.150
WR	4	3	CR		+				0.158
WR	4	53	CR		+				0.268
WR	4	72	MC		*				-0.102
WR	4	76	CR		+				0.197
WR	4	95	CR		+				0.292
WR	5	2	CR		*				-0.111
WR	5	3	CR		+				0.188
WR	5	3	CR		+				0.168
WR	5	3	CR		+				0.189
WR	5	62	CR		+				0.159
WR	5	64	MC		*				-0.102
WR	5	92	CR		+				0.203
WR	6	2	CR		*				-0.170
WR	6	3	CR		+				0.119
WR	6	32	CR	+	+	+	+		0.201, 0.284, 0.206, 0.229
WR	6	97	CR	+	+				0.114, 0.189
WR	7	3	CR		+				0.140
WR	7	55	MC		*				-0.145
WR	7	56	MC		*				-0.143
WR	7	65	CR		+				0.156
WR	7	86	MC		+				0.104
WR	8	59	MC		+				0.105
WR	8	69	CR	+					0.111
WR	8	86	CR	+					0.124
WR	9	3	CR		+				0.151
WR	9	64	MC		*				-0.105
WR	9	71	MC		*				-0.126
WR	9	85	MC		*				-0.107
WR	9	89	MC		+				0.135
WR	10	3	CR		*				-0.162
WR	10	73	CR				+		0.122
WR	10	95	CR				+		0.159
WR	10	115	CR				+		0.108
SPAN WR	3	16A	CR				+		0.202
SPAN WR	3	18	MC				+		0.138
SPAN WR	3	19	MC				+		0.150
SPAN WR	3	30	MC				*		-0.114
SPAN WR	3	39B	CR				*		-0.113
MA	3	4	CR		+				0.128
MA	3	20	CR		+		+		0.198, 0.105
MA	3	39	MC		*		*		-0.110, -0.101

¹T =Teacher-read Directions (N=469-3086); S = Scribe (N=84-971); E= Extended Timing (N=1440-7178); O=Oral Test (Math and Writing only; N=799-5389); N = No Accommodation (N=51405); + = favoring; * = disfavoring.

Table B-6 (concluded). 2006 Items Flagged for DIF by Accommodations Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹					Observed-Predicted
				T	S	E	O	N	
MA	4	11	CR		+				0.108
MA	4	18	CR				+		0.104
MA	4	23	CR		+		+		0.223, 0.136
MA	4	36	CR		+				0.115
MA	4	46	CR		+				0.195
MA	5	23	CR		+				0.132
MA	5	40	CR		+				0.102
MA	5	57	CR		+				0.178
MA	5	69	CR		+		+		0.234, 0.135
MA	6	4	CR		*				-0.118
MA	6	16	CR	*	*				-0.109, -0.142
MA	6	43	CR		+				0.150
MA	6	57	CR		+		+		0.193, .143
MA	7	60	CR		*		*		-0.285, -0.127
MA	8	4	CR		*		*		-0.169, -0.188
MA	8	8	CR	+					0.115
MA	8	35	CR		*				-0.156
MA	8	40	CR				+		0.109
MA	8	60	CR				+		0.110
MA	9	1	MC		*				-0.144
MA	9	9	MC		+				0.158
MA	9	24	CR				+		0.141
MA	9	49	MC		*				-0.131
MA	9	54	CR	*			*		-0.110, -0.122
MA	10	13	MC				*		-0.120
MA	10	28	CR	*			*		-0.105, -0.143
MA	10	40	CR			*	*		-0.120, -0.103
SC	8	24	CR		*	*			-0.600, -0.187
SC	10	21	CR	*	*	*			-0.198, -0.665, -0.324
SC	10	23	CR	*					-0.117
SC	10	29	CR	+					0.110

¹T =Teacher-read Directions (N=469-3086); S = Scribe (N=84-971); E= Extended Timing (N=1440-7178); O=Oral Test (Math and Writing only; N=799-5389); N = No Accommodation (N=51405); + = favoring; * = disfavoring.

Table B-7. 2006 Items Flagged for DIF by Primary Disability State Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹					Observed-Predicted
				E	PC	P	SL	N	
RD	3	1	CR	*		*	*		-0.158, -0.142, -0.102
RD	3	22	CR	*		*			-0.280, -0.155
RD	3	24	CR	+	+	+			0.229, 0.105, 0.153
RD	3	33	CR	*					-0.102
RD	4	4	CR	*					-0.131
RD	4	17	CR	*					-0.116
RD	4	27	CR	*		*	*		-0.219, -0.136, -0.102
RD	4	38	CR	*					-0.131
RD	4	103	CR	*					-0.188
RD	4	109	CR	*					-0.110
RD	5	11	CR	*					-0.114
RD	5	12	CR	*					-0.121
RD	5	19	CR			*			-0.102
RD	5	25	CR	*					-0.196
RD	5	39	CR	*					-0.110
RD	5	44	CR	*					-0.157
RD	5	49	CR	*					-0.146
RD	6	11	CR	*		*			-0.101, -0.125
RD	6	12	CR	*		*			-0.303, -0.210
RD	6	13	CR	*					-0.123
RD	6	19	MC			+			0.108
RD	6	21	CR	*		*			-0.154, -0.110
RD	6	41	MC	+					0.108
RD	6	43	CR	*		*			-0.155, -0.155
RD	6	98	CR	*					-0.167
RD	6	111	CR	*		*			-0.201, -0.141
RD	7	9	CR	*					-0.160
RD	7	10	CR				*		-0.119
RD	7	19	CR	*	*	*			-0.199, -0.112, -0.227
RD	7	36	CR	*		*			-0.133, -0.121
RD	7	89	CR	*	*	*		*	-0.117, -0.103, -0.127, -0.138
RD	7	99	CR	*					-0.158
RD	7	100	CR	*					-0.232
RD	7	103	CR	*					-0.175
RD	8	13	CR	*		*			-0.188, -0.172
RD	8	29	CR	*		*			-0.121, -0.103
RD	8	30	CR			*			-0.110
RD	8	37	CR	*		*			-0.147, -0.105
RD	8	87	CR	*					-0.105
RD	8	106	CR	*					-0.102
RD	8	107	CR	*		*			-0.194, -0.161
RD	8	114	CR	*		*			-0.212, -0.136

Table B-7 (continued). 2006 Items Flagged for DIF by Primary Disability State Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹					Observed-Predicted
				E	PC	P	SL	N	
RD	9	4	CR	*		*			-0.172, -0.187
RD	9	5	CR				+		0.125
RD	9	12	CR	*		*			-0.171, -0.163
RD	9	38	CR	*					-0.138
RD	9	43	CR			*			-0.122
RD	9	44	CR	*		*			-0.193, -0.121
RD	9	100	CR	*		*			-0.241, -0.208
RD	9	107	CR	*			+		-0.102, 0.148
RD	9	118	CR	*					-0.111
RD	10	7	MC	+					0.110
RD	10	9	CR		+	+			0.183, 0.121
RD	10	20	CR				*		-0.111
RD	10	28	CR	*		*			-0.176, -0.115
RD	10	31	CR	*					-0.133
RD	10	41	CR	+	+	+	+		0.105, 0.105, 0.173, 0.183
RD	10	43	CR	*		*	+		-0.256, -0.155, 0.212
RD	10	49	CR	*		*			-0.173, -0.201
RD	10	50	CR	*		*			-0.202, -0.166
RD	10	96	CR	*					-0.136
WR	3	5E	CR	*					-0.151
WR	4	2A	CR		*				-0.118
WR	4	3A	CR	*		*			-0.202, -0.101
WR	4	3B	CR	*					-0.195
WR	4	53	CR	*					-0.130
WR	4	76	CR	*		*			-0.179, -0.106
WR	4	83	MC	+					0.114
WR	4	90	MC	+					0.113
WR	4	91	MC	+					0.103
WR	4	95	CR	*		*			-0.203, -0.134
WR	5	3B	CR	*					-0.122
WR	5	62	CR	*					-0.148
WR	5	92	CR	*					-0.160
WR	5	117	CR	*		*			-0.225, -0.139
WR	6	2D	CR		*				-0.172
WR	6	3A	CR	*		*			-0.133, -0.107
WR	6	3B	CR	*					-0.150
WR	6	32	CR		+		+		0.200, 0.229
WR	6	78	CR	*					-0.167
WR	6	97	CR		+				0.110
WR	7	56	MC		*				-0.107
WR	7	65	CR	*					-0.204
WR	7	82	MC	+					0.100
WR	7	88	CR	*		*			-0.310, -0.177
WR	7	118	CR	*					-0.205

¹E=Emotional Disability (N=354-814); PC = Perceptual/Comm. Disability (N=1878-3097); P= Physical Disability (N=536-756); SL=Speech/Language Disability (N=313-1836); N = No Disability (N=51958); + = favoring; * = disfavoring.

Table B-7 (continued). 2006 Items Flagged for DIF by Primary Disability State Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹					Observed-Predicted
				E	PC	P	SL	N	
WR	8	3A	CR	*		*			-0.157, -0.141
WR	8	3B	CR	*		*			-0.168, -0.143
WR	8	21	CR	*		*			-0.123, -0.106
WR	8	86	CR	*					-0.193
WR	9	2A	CR				*		-0.121
WR	9	2E	CR		*				-0.118
WR	9	3A	CR	*					-0.102
WR	9	24	CR	*		*			-0.146, -0.148
WR	9	70	CR	*		*			-0.144, -0.101
WR	9	87	MC	+					0.118
WR	9	92	CR	*		*			-0.159, -0.151
WR	10	2B	CR				*		-0.125
WR	10	3C	CR				+		0.106
WR	10	73	CR	*	+		+		-0.105, 0.108, 0.155
WR	10	95	CR	*	+		+		-0.164, 0.134, 0.185
WR	10	115	CR	*			+		-0.171, 0.248
MA	3	4	CR		+				0.141
MA	3	20	CR		+				0.175
MA	3	39	MC		*				-0.126
MA	3	40	CR				*		-0.102
MA	4	23	CR		+	+			0.130, 0.132
MA	4	41	CR			*			-0.119
MA	4	69	CR	*					-0.142
MA	5	13	CR	*		*			-0.172, -0.146
MA	5	46	CR	*					-0.137
MA	5	57	CR			+			0.106
MA	5	69	CR	+	+	+			0.103, 0.163, 0.135
MA	6	16	CR	*	*				-0.137, -0.119
MA	6	40	CR				+		0.127
MA	6	57	CR		+	+			0.114, 0.118
MA	7	60	CR	*	*	*			-0.302, -0.104, -0.216
MA	8	4	CR	*	*	*			-0.162, -0.124, -0.125
MA	8	22	MC			+			0.109
MA	8	35	CR	*	*				-0.104, -0.105
MA	8	40	CR				+		0.147
MA	8	60	CR	*					-0.113
MA	9	8	CR	*		*	+		-0.157, -0.109, 0.135
MA	9	54	CR			*			-0.135
MA	9	60	CR	*					-0.182
MA	10	4	CR	+					0.159
MA	10	13	MC	*	*		*		-0.103, -0.105, -0.140
MA	10	34	CR	*		*	+		-0.221, -0.155, 0.161
MA	10	40	CR	*	*	*	*		-0.150, -0.119, -0.152, -0.136
MA	10	60	CR	*					-0.176

¹E=Emotional Disability (N=354-814); PC = Perceptual/Comm. Disability (N=1878-3097); P= Physical Disability (N=536-756); SL=Speech/Language Disability (N=313-1836); N = No Disability (N=51958); + = favoring; * = disfavoring.

Table B-7 (concluded). 2006 Items Flagged for DIF by Primary Disability State Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹					Observed-Predicted
				E	PC	P	SL	N	
SC	5	11	MC	+					0.107
SC	8	19	MC	+	+	+			0.102, 0.100, 0.100
SC	8	24	CR	*	*	*			-0.556, -0.293, -0.499
SC	8	25	CR	*		*			-0.147, -0.170
SC	8	65	CR	*					-0.134
SC	8	80	MC			*			-0.102
SC	10	10	MC	+					0.115
SC	10	21	CR	*	*	*			-0.612, -0.295, -0.445
SC	10	23	CR	*		*			-0.158, -0.186
SC	10	29	CR	+		+			0.135, 0.136
SC	10	34	CR			+			0.109
SC	10	40	CR	*					-0.116
SC	10	50	CR			+			0.112
SC	10	53	MC	+					0.105
SC	10	68	MC	+	+	+			0.122, 0.106, 0.112
SC	10	75	CR	*		*			-0.153, -0.127

¹E=Emotional Disability (N=354-814); PC = Perceptual/Comm. Disability (N=1878-3097);
P= Physical Disability (N=536-756); SL=Speech/Language Disability (N=313-1836); N = No Disability (N=51958);
+ = favoring; * = disfavoring.

Table B-8. 2006 Items Flagged for DIF by Enrollment Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹						Observed-Predicted
				ELL		CO		US		
				No	Yes	No	Yes	No	Yes	
RD	3	1	CR				*			-0.129
RD	3	22	CR				*			-0.157
RD	3	33	CR		+					0.203
RD	4	17	CR		+					0.117
RD	4	38	CR		+					0.115
RD	4	103	CR		+					0.170
RD	5	49	CR		+					0.153
RD	6	12	CR		+			+		0.275, 0.140
RD	6	22	CR		+					0.109
RD	6	105	MC		*					-0.115
RD	7	20	CR		+					0.105
RD	7	89	CR	*		*	*	*	*	-0.139, -0.131, -0.136, -0.111, -0.137
RD	8	20	MC		+					0.105
RD	10	8	CR		+					0.124
RD	10	28	CR		+					0.195
RD	10	38	MC		*					-0.161
RD	10	43	CR		+					0.121
RD	10	45	MC		*					-0.111
RD	10	49	CR		+					0.167
RD	10	50	CR		+					0.111
RD	10	104	MC		*					-0.160
SPAN RD	3	20	MC				+		+	0.137, 0.126
WR	3	10	MC		*					-0.145
WR	3	16	MC		*					-0.139
WR	3	18	MC		*					-0.157
WR	4	3A	CR		+					0.141
WR	4	53	CR		+					0.110
WR	4	76	CR		+					0.127
WR	4	82	MC		*					-0.106
WR	4	83	MC		*					-0.118
WR	4	90	MC		*					-0.134
WR	4	95	CR		+					0.111
WR	5	2C	CR		*					-0.155
WR	5	3A	CR		+					0.151
WR	5	3B	CR		+					0.121
WR	5	62	CR		+					0.104
WR	5	73	MC		*					-0.124
WR	5	74	MC		*					-0.100
WR	5	92	CR		+					0.139

¹ ELL 0=No (N=54307); ELL 1=Yes (N=255-4359); CO 0=No (N=6957-7893); CO 1=Yes (N=64-49473); US 0=No (N=3725-4886); US 1=Yes (N=82-53099);

+ = favoring; * = disfavoring.

Table B-8 (concluded). 2006 Items Flagged for DIF by Enrollment Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹						Observed-Predicted
				ELL		CO		US		
				No	Yes	No	Yes	No	Yes	
WR	6	3A	CR		+					0.110
WR	6	32	CR		+					0.133
WR	6	57	MC		*					-0.155
WR	6	78	CR		+					0.141
WR	6	97	CR		+					0.109
WR	7	3A	CR		+					0.117
WR	7	54	MC		*					-0.116
WR	7	65	CR		+					0.140
WR	7	88	CR		+					0.139
WR	7	118	CR		+					0.109
WR	8	21	CR		+					0.127
WR	8	86	CR		+					0.175
WR	9	2A	CR		*					-0.145
WR	9	70	CR		+					0.134
WR	9	87	MC		*					-0.102
WR	10	2B	CR		*					-0.104
WR	10	73	CR		+					0.157
WR	10	90	MC		*					-0.170
WR	10	95	CR		+					0.159
WR	10	115	CR		+					0.154
MA	4	11	CR		*					-0.112
MA	4	69	CR		+					0.111
MA	5	13	CR					*		-0.120
MA	6	43	CR		*					-0.114
MA	7	60	CR			*		*		-0.130, -0.156
MA	8	40	CR		+					0.139
MA	8	60	CR		+					0.131
MA	10	28	CR		*					-0.121
MA	10	34	CR		+					0.147
SC	8	24	CR		+	*		*		0.201, -0.197, -0.137
SC	10	21	CR		+	*		*		0.267, -0.206, -0.169
SC	10	71	CR		*			*		-0.192, -0.104

¹ ELL 0=No (N=54307); ELL 1=Yes (N=255-4359); CO 0=No (N=6957-7893); CO 1=Yes (N=64-49473); US 0=No (N=3725-4886); US 1=Yes (N=82-53099):

+ = favoring; * = disfavoring.

Table B-9. 2006 Items Flagged for DIF by Language Proficiency Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹								Observed-Predicted
				Language Proficiency				ESL		Bilingual		
				NA	NEP	LEP	FEP	No	Yes	No	Yes	
RD	3	5	MC		*						*	-0.107, -0.101
RD	3	22	CR		+		+				+	0.131, 0.118, 0.129
RD	3	33	CR		+	+	+		+			0.108, 0.119, 0.116, 0.119
RD	4	17	CR			+	+		+			0.115, 0.167, 0.113
RD	4	26	MC				*					-0.116
RD	4	31	MC		*							-0.154
RD	4	33	CR		*							-0.106
RD	4	38	CR		+	+	+		+			0.133, 0.113, 0.118, 0.110
RD	4	103	CR		+	+			+			0.274, 0.166, 0.154
RD	4	115	CR			+						0.103
RD	5	12	CR		+		+					0.162, 0.105
RD	5	25	CR		*							-0.117
RD	5	49	CR		+	+	+		+			0.128, 0.153, 0.139, 0.132
RD	5	93	CR		+							0.139
RD	5	94	CR		+							0.142
RD	6	11	CR		*							-0.125
RD	6	12	CR		+	+	+		+			0.605, 0.292, 0.13, 0.255
RD	6	21	CR			+	+		+			0.101, 0.152, 0.115
RD	6	22	CR			+	+					0.105, 0.102
RD	6	27	MC		+							0.110
RD	6	45	CR		+							0.127
RD	6	98	CR				+					0.148
RD	6	105	MC			*			*			-0.131, -0.104
RD	6	111	CR		+							0.180
RD	7	4	CR		*							-0.107
RD	7	6	MC		*							-0.127
RD	7	19	CR				+					0.150
RD	7	20	CR				+		+			0.114, 0.101
RD	7	24	MC				*					-0.108
RD	7	89	CR	*			*		*			-0.142, -0.117, -0.142,
RD	7	99	CR				+					-0.142
RD	7	109	CR		+							0.103
RD	7	112	MC		+							0.140
RD	8	5	MC		+							0.112
RD	8	13	CR		+							0.127
RD	8	14	CR		*							0.147
RD	8	15	MC		*							-0.175
RD	8	16	MC				*					-0.105
RD	8	17	MC		*							-0.106
RD	8	37	CR				+					-0.102
												0.120

¹ Lang. Prof. NA=Not Applicable (N=50831); Lang. Prof. NEP= (N=487-1762); Lang. Prof. LEP= (N=1434-4891); Lang. Prof. FEP= (N=1814-2691); ESL No (N=51360); ESL Yes (N=3810-6997); Bilingual No (N=51405); Bilingual Yes (N=635-7743):

+ = favoring; * = disfavoring.

Table B-9 (continued). 2006 Items Flagged for DIF by Language Proficiency Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹								Observed-Predicted	
				Language Proficiency				ESL		Bilingual			
				NA	NEP	LEP	FEP	No	Yes	No	Yes		
RD	8	42	MC		*								-0.156
RD	8	92	MC			*							-0.113
RD	8	106	CR		+								0.101
RD	8	107	CR			+	+			+			0.108, 0.112, 0.108
RD	8	108	MC			*							-0.123
RD	9	4	CR		+								0.224
RD	9	5	CR		*								-0.203
RD	9	7	MC										-0.127
RD	9	12	CR			+	+						0.126, 0.140
RD	9	15	MC				*						-0.136
RD	9	26	CR			+	+			+			0.126, 0.171, 0.137
RD	9	27	CR		*								-0.116
RD	9	36	MC		+								0.124
RD	9	38	CR		+	+	+			+			0.112, 0.126, 0.116, 0.118
RD	9	39	MC		*								-0.119
RD	9	44	CR		*								-0.143
RD	9	100	CR								*		-0.113
RD	9	102	MC		*								-0.156
RD	9	107	CR		+								0.118
RD	9	116	MC			*							-0.119
RD	9	118	CR				+						0.104
RD	10	6	MC		+								0.127
RD	10	8	CR		+	+				+			0.153, 0.121, 0.101
RD	10	15	MC		*	*							-0.115, -0.104
RD	10	26	MC		+								0.104
RD	10	28	CR		+	+	+			+			0.185, 0.223, 0.188, 0.206
RD	10	38	MC		*	*				*			-0.169, -0.173, -0.138
RD	10	41	CR		+						+		0.152, 0.155
RD	10	42	MC		+								0.116
RD	10	43	CR			+	+			+			0.195, 0.114, 0.107
RD	10	44	MC		+								0.104
RD	10	45	MC			*	*			*			-0.114, -0.167, -0.125
RD	10	48	MC		*								-0.107
RD	10	49	CR			+	+			+			0.181, 0.163, 0.131
RD	10	50	CR			+	+						0.108, 0.118
RD	10	99	MC		*	*							-0.182, -0.122
RD	10	100	MC		*								-0.222
RD	10	102	CR		*								-0.131
RD	10	104	MC		*	*				*			-0.188, -0.184, -0.133
RD	10	111	MC		+								0.130
RD	10	112	MC		+								0.113
RD	10	113	MC		+								0.119

¹ Lang. Prof. NA=Not Applicable (N=50831); Lang. Prof. NEP= (N=487-1762); Lang. Prof. LEP= (N=1434-4891); Lang. Prof. FEP= (N=1814-2691); ESL No (N=51360); ESL Yes (N=3810-6997); Bilingual No (N=51405); Bilingual Yes (N=635-7743):

+ = favoring; * = disfavoring.

Table B-9 (continued). 2006 Items Flagged for DIF by Language Proficiency Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹								Observed-Predicted		
				Language Proficiency				ESL		Bilingual				
				NA	NEP	LEP	FEP	No	Yes	No	Yes			
WR	3	5C	CR		*									-0.124
WR	3	10	MC		*	*								-0.140, -0.112
WR	3	18	MC		*	*	*		*					-0.158, -0.185, -0.105, -0.162
WR	4	3A	CR		+	+				+				0.207, 0.163, 0.123
WR	4	3B	CR				+			+				0.124, 0.101
WR	4	53	CR		+	+								0.141, 0.131
WR	4	54	MC		*									-0.118
WR	4	60	MC		*									-0.137
WR	4	65	MC		*									-0.104
WR	4	66	MC		*									-0.119
WR	4	76	CR				+	+		+				0.136, 0.113, 0.115
WR	4	82	MC		*	*								-0.146, -0.112
WR	4	83	MC			*				*				-0.138, -0.106
WR	4	90	MC		*	*				*				-0.144, -0.150, -0.118
WR	4	95	CR		+	+	+							0.148, 0.110, 0.103
WR	5	2A	CR		+									0.192
WR	5	2B	CR		*									-0.114
WR	5	2C	CR			*	*			*				-0.140, -0.226, -0.157
WR	5	2D	CR		+									0.104
WR	5	3A	CR				+			+				0.183, 0.120
WR	5	3B	CR				+							0.135
WR	5	54	MC		*	*								-0.102, -0.103
WR	5	62	CR					+						0.105
WR	5	66	MC		+									0.104
WR	5	73	MC		*	*				*				-0.171, -0.158, -0.105
WR	5	74	MC		*	*								-0.176, -0.119
WR	5	75	MC		*									-0.108
WR	5	88	MC		+									0.120
WR	5	92	CR		+	+	+			+				0.178, 0.155, 0.106, 0.145
WR	5	117	CR			+								0.101
WR	6	2C	CR		*									-0.156
WR	6	2D	CR		+									0.180
WR	6	3A	CR				+							0.120
WR	6	32	CR				+				+			0.136, 0.216
WR	6	57	MC		*	*				*				-0.155, -0.179, -0.133
WR	6	58	MC		*									-0.145
WR	6	78	CR				+	+		+				0.135, 0.101, 0.106
WR	6	89	MC		+									0.112
WR	7	2F	CR		*									-0.192
WR	7	3A	CR		+	+								0.115, 0.127
WR	7	54	MC		*	*				*				-0.178, -0.154, -0.106
WR	7	65	CR				+	+		+				0.112, 0.137, 0.117

¹ Lang. Prof. NA=Not Applicable (N=50831); Lang. Prof. NEP= (N=487-1762); Lang. Prof. LEP= (N=1434-4891); Lang. Prof. FEP= (N=1814-2691); ESL No (N=51360); ESL Yes (N=3810-6997); Bilingual No (N=51405); Bilingual Yes (N=635-7743);

+ = favoring; * = disfavoring.

Table B-9 (continued). 2006 Items Flagged for DIF by Language Proficiency Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹								Observed-Predicted
				Language Proficiency				ESL		Bilingual		
				NA	NEP	LEP	FEP	No	Yes	No	Yes	
WR	7	88	CR			+						0.143, 0.106
WR	7	118	CR			+						0.129
WR	8	2B	CR		+							0.120
WR	8	21	CR			+						0.142
WR	8	60	MC		+							0.101
WR	8	68	MC		*	*						-0.203, -0.134
WR	8	69	CR		+	+						0.118, 0.111
WR	8	86	CR			+			+			0.188, 0.132
WR	9	2A	CR		*	*	*		*			-0.133, -0.154, -0.108, -0.134
WR	9	2B	CR		*							-0.187
WR	9	24	CR			+						0.134
WR	9	70	CR			+	+		+			0.155, 0.104, 0.126
WR	9	84	MC		+							0.113
WR	9	87	MC			*						-0.111
WR	9	90	MC				*					-0.126
WR	10	2B	CR			*						-0.134
WR	10	73	CR			+			+			0.188, 0.117
WR	10	90	MC		*	*			*			-0.181, -0.217, -0.157
WR	10	95	CR			+			+			0.166, 0.108
WR	10	115	CR			+			+			0.195, 0.114
MA	3	27	CR		+							0.116
MA	4	11	CR		*	*			*			-0.222, -0.118, -0.112
MA	4	15	CR		*							-0.396
MA	4	18	CR		+							0.142
MA	4	23	CR		+							0.119
MA	4	28	MC		*							-0.105
MA	4	30	MC		*							-0.127
MA	4	49	CR		*							-0.133
MA	4	66	MC		+							0.144
MA	4	69	CR		+	+						0.160, 0.113
MA	5	9	MC		*							-0.101
MA	5	13	CR		*							-0.119
MA	5	15	CR		+	+						0.114, 0.110
MA	5	19	CR		*							-0.189
MA	5	21	MC		*							-0.101
MA	5	36	MC		+							0.116
MA	5	42	MC		*							-0.129
MA	5	43	MC		+							0.162
MA	5	46	CR		*							-0.163
MA	5	53	CR			+						0.120
MA	5	58	MC		+							0.104
MA	5	66	CR		*							-0.104

¹ Lang. Prof. NA=Not Applicable (N=50831); Lang. Prof. NEP= (N=487-1762); Lang. Prof. LEP= (N=1434-4891); Lang. Prof. FEP= (N=1814-2691); ESL No (N=51360); ESL Yes (N=3810-6997); Bilingual No (N=51405); Bilingual Yes (N=635-7743):

+ = favoring; * = disfavoring.

Table B-9 (continued). 2006 Items Flagged for DIF by Language Proficiency Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹								Observed-Predicted	
				Language Proficiency				ESL		Bilingual			
				NA	NEP	LEP	FEP	No	Yes	No	Yes		
MA	6	2	MC		+								0.161
MA	6	7	CR		*								-0.207
MA	6	16	CR		*		+						-0.102, 0.103
MA	6	23	MC		+								0.150
MA	6	25	MC		*								-0.176
MA	6	26	CR		*								-0.260
MA	6	30	MC		*								-0.118
MA	6	34	MC		+								0.104
MA	6	36	MC		+								0.111
MA	6	40	CR		*								-0.214
MA	6	43	CR		*	*							-0.168, -0.150
MA	6	50	MC		+								0.173
MA	6	57	CR		+								0.192
MA	7	3	CR		+								0.127
MA	7	6	MC		*								-0.138
MA	7	7	CR		*								-0.168
MA	7	13	CR		*								-0.113
MA	7	15	CR		+								0.228
MA	7	29	CR		*								-0.109
MA	7	30	MC		+								0.145
MA	7	33	CR		*								-0.193
MA	7	35	CR		+								0.148
MA	7	46	MC		*								-0.114
MA	7	58	MC		*	*							-0.127, -0.107
MA	7	60	CR		*								-0.323
MA	8	4	CR		*						*		-0.213, -0.107
MA	8	6	CR		*								-0.137
MA	8	31	CR		+								0.162
MA	8	40	CR		+	+			+				0.162, 0.147, 0.116
MA	8	49	CR		+								0.116
MA	8	58	MC		*								-0.109
MA	8	60	CR		+	+			+				0.177, 0.169, 0.131
MA	9	11	MC			*	*						-0.100, -0.102
MA	9	20	CR		*								-0.126
MA	9	24	CR		+								0.271
MA	9	36	CR		*								-0.121
MA	9	50	CR		*								-0.145
MA	9	54	CR		*	*					*		-0.175, -0.105, -0.100
MA	9	60	CR		*								-0.175

¹ Lang. Prof. NA=Not Applicable (N=50831); Lang. Prof. NEP= (N=487-1762); Lang. Prof. LEP= (N=1434-4891); Lang. Prof. FEP= (N=1814-2691); ESL No (N=51360); ESL Yes (N=3810-6997); Bilingual No (N=51405); Bilingual Yes (N=635-7743):

+ = favoring; * = disfavoring.

Table B-9 (concluded). 2006 Items Flagged for DIF by Language Proficiency Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹								Observed-Predicted	
				Language Proficiency				ESL		Bilingual			
				NA	NEP	LEP	FEP	No	Yes	No	Yes		
MA	10	13	MC		*	*							-0.102, -0.117, -0.101
MA	10	15	CR		*								-0.106
MA	10	25	CR		+								0.130
MA	10	28	CR		*	*			*				-0.314, -0.135, -0.129
MA	10	34	CR		+	+							0.116, 0.119
MA	10	37	MC		+								0.102
MA	10	38	MC		+								0.117
MA	10	40	CR				+				*		0.144, -0.112
MA	10	59	MC		+								0.100
SC	5	5	CR		*								-0.101
SC	5	32	MC		+								0.140
SC	5	38	CR		*								-0.138
SC	5	43	CR		*	*							-0.326, -0.116
SC	5	58	MC		+								0.122
SC	5	64	CR		*								-0.159
SC	8	4	MC		+								0.119
SC	8	12	MC		+								0.133
SC	8	17	MC			*							-0.100
SC	8	24	CR		+	+	+		+		*		0.204, 0.182, 0.229, 0.201, -0.194
SC	8	47	CR		*								-0.116
SC	8	56	CR		*								-0.209
SC	8	77	CR		*								-0.147
SC	8	80	MC		+								0.127
SC	10	3	MC		*	*							-0.171, -0.105
SC	10	11	MC		+								0.119
SC	10	21	CR			+	+		+		*		0.194, 0.199, 0.164, -0.312
SC	10	23	CR		*								-0.232
SC	10	27	CR		*								-0.170
SC	10	28	MC		+								0.109
SC	10	40	CR		*								-0.144
SC	10	66	MC		*								-0.120
SC	10	71	CR		*	*	*		*				-0.245, -0.203, -0.147, -0.189

¹ Lang. Prof. NA=Not Applicable (N=50831); Lang. Prof. NEP= (N=487-1762); Lang. Prof. LEP= (N=1434-4891); Lang. Prof. FEP= (N=1814-2691); ESL No (N=51360); ESL Yes (N=3810-6997); Bilingual No (N=51405); Bilingual Yes (N=635-7743):

+ = favoring; * = disfavoring.

Table B-10. 2006 Items Flagged for DIF by Education Plan Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹								Observed-Predicted
				Title 1		IEP		Plan 504		Gate		
				No	Yes	No	Yes	No	Yes	No	Yes	
RD	3	1	CR				*		*		*	-0.107, -0.194, -0.118
RD	3	22	CR						*			-0.245
RD	5	12	CR						*			-0.204
RD	5	25	CR						*			-0.176
RD	5	49	CR						*			-0.198
RD	6	11	CR								*	-0.114
RD	6	12	CR						*			-0.217
RD	6	43	CR						*		*	-0.112, -0.116
RD	6	98	CR						*			-0.113
RD	6	111	CR						*			-0.142
RD	6	114	CR						*			-0.123
RD	7	9	CR						*			-0.140
RD	7	19	CR				*		*			-0.121, -0.224
RD	7	24	MC						+			0.101
RD	7	36	CR						*			-0.108
RD	7	89	CR	*		*	*	*	*	*	*	-0.140, -0.138, -0.107, -0.135, -0.144, -0.124, -0.234
RD	7	99	CR								*	-0.117
RD	7	100	CR						*			-0.138
RD	7	103	CR						*			-0.139
RD	8	13	CR				*		*			-0.102, -0.154
RD	8	30	CR						*			-0.122
RD	8	87	CR								*	-0.121
RD	8	107	CR				*		*			-0.115, -0.191
RD	8	114	CR						*			-0.118
RD	9	4	CR						*			-0.221
RD	9	12	CR						*			-0.117
RD	9	43	CR						*			-0.113
RD	9	100	CR		*		*		*		*	-0.111, -0.122, -0.228, -0.134
RD	9	104	CR						*			-0.107
RD	10	9	CR				+					0.128
RD	10	41	CR				+					0.126
RD	10	43	CR								*	-0.124
RD	10	49	CR		+				*			0.115, -0.104
RD	10	50	CR								*	-0.146
SPAN RD	3	1	CR	+								0.154
SPAN RD	3	26	CR				*					-0.153
WR	3	30A	CR								*	-0.108

¹ Title 1 No (N=332-50971); Title 1 Yes (N=1964-6310); IEP No (N=51955); IEP Yes (N=108-5986); Plan 504 No (N=56662); Plan 504 Yes (N=238-698); Gate No (N=51415); Gate Yes (N=2412-5964):

+ = favoring; * = disfavoring.

Table B-10 (concluded). 2006 Items Flagged for DIF by Education Plan Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹								Observed-Predicted
				Title 1		IEP		Plan 504		Gate		
				No	Yes	No	Yes	No	Yes	No	Yes	
WR	4	3A	CR						*			-0.170
WR	4	3B	CR						*			-0.163
WR	4	95	CR						*			-0.109
WR	5	3B	CR							*		-0.103
WR	5	92	CR						*			-0.128
WR	5	117	CR							*		-0.101
WR	6	2D	CR				*					-0.112
WR	6	3A	CR						*	*		-0.108, -0.108
WR	6	3B	CR							*		-0.118
WR	6	32	CR				+					0.160
WR	6	78	CR						*			-0.120
WR	7	3A	CR							*		-0.103
WR	7	3B	CR							*		-0.111
WR	7	65	CR		+							0.133
WR	7	88	CR						*			-0.124
WR	7	118	CR						*			-0.162
WR	8	3A	CR							*		-0.112
WR	8	3B	CR							*		-0.121
WR	8	86	CR						*			-0.137
WR	9	3B	CR							*		-0.101
SPAN												
WR	3	16A	CR	*								-0.125
MA	3	20	CR				+					0.116
MA	4	23	CR				+					0.108
MA	5	69	CR				+					0.117
MA	6	57	CR						*			-0.125
MA	7	60	CR				*					-0.129
MA	8	4	CR				*					-0.128
MA	8	35	CR						*			-0.126
MA	10	4	CR		+							0.109
MA	10	13	MC		*		*					-0.102, -0.100
MA	10	20	CR							*		-0.197
MA	10	34	CR						*			-0.123
MA	10	40	CR				*					-0.129
SC	5	24	CR						*			-0.113
SC	5	61	MC						+			0.101
SC	8	24	CR				*		*			-0.336, -0.276
SC	10	21	CR				*		*			-0.362, -0.244
SC	10	29	CR				+					0.105

¹ Title 1 No (N=332-50971); Title 1 Yes (N=1964-6310); IEP No (N=51955); IEP Yes (N=108-5986); Plan 504 No (N=56662); Plan 504 Yes (N=238-698); Gate No (N=51415); Gate Yes (N=2412-5964):

+ = favoring; * = disfavoring.

Table B-11. 2006 Items Flagged for DIF by Immigrant, Migrant, Homeless Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹						Observed-Predicted
				Immigrant		Migrant		Homeless		
				No	Yes	No	Yes	No	Yes	
RD	3	5	MC				*			-0.114
RD	3	33	CR		+					0.171
RD	4	26	MC		*		*			-0.100, -0.102
RD	4	31	MC		*					-0.145
RD	4	38	CR		+					0.128
RD	4	103	CR		+		+			0.195, 0.132
RD	5	12	CR		+		+			0.173, 0.100
RD	5	37	MC		*					-0.141
RD	5	49	CR		+		+		+	0.176, 0.180, 0.111
RD	5	93	CR		+		+			0.155, 0.109
RD	5	94	CR		+					0.110
RD	6	12	CR		+		+			0.570, 0.350
RD	6	21	CR		+					0.112
RD	6	22	CR				+			0.103
RD	6	26	MC		*					-0.101
RD	6	41	MC		*		*			-0.139, -0.100
RD	6	47	MC		+					0.102
RD	6	104	MC				*			-0.106
RD	6	105	MC		*		*			-0.124, -0.101
RD	6	111	CR				+			0.103
RD	7	6	MC		*					-0.113
RD	7	19	CR		+		+			0.140, 0.101
RD	7	89	CR	*		*		*	*	-0.136, -0.136, -0.136, -0.111
RD	7	94	MC		*		*			-0.117, -0.101
RD	7	99	CR				+			0.135
RD	7	109	CR		+					0.100
RD	8	5	MC		+					0.101
RD	8	14	CR		*					-0.129
RD	8	36	MC		+					0.116
RD	8	92	MC		*					-0.107
RD	8	107	CR		+		+			0.160, 0.149
RD	8	108	MC		*		*			-0.117, -0.111
RD	8	114	CR		+					0.160
RD	9	4	CR		+					0.155
RD	9	5	CR		*					-0.145
RD	9	15	MC				*			-0.118
RD	9	23	MC		+					0.105
RD	9	25	MC		*					-0.103
RD	9	26	CR				+			0.151

¹ Immigrant No (N=56704); Immigrant Yes (N=316-1650); Migrant No (N=56682); Migrant Yes (N=143-698); Homeless No (N=56593); Homeless Yes (N=68-687):

+ = favoring; * = disfavoring.

Table B-11 (continued). 2006 Items Flagged for DIF by Immigrant, Migrant, Homeless Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹						Observed-Predicted	
				Immigrant		Migrant		Homeless			
				No	Yes	No	Yes	No	Yes		
RD	9	27	CR		*					-0.106	
RD	9	38	CR		+					0.113	
RD	9	39	MC		*					-0.102	
RD	9	44	CR		*					-0.110	
RD	9	102	MC		*		*			-0.155, -0.100	
RD	9	107	CR		+		+			0.126, 0.215	
RD	10	8	CR		+					0.136	
RD	10	9	CR		*					-0.122	
RD	10	15	MC		*					-0.124	
RD	10	28	CR		+		+			0.190, 0.231	
RD	10	29	MC				*			-0.110	
RD	10	36	MC		*					-0.104	
RD	10	38	MC		*		*			-0.193, -0.163	
RD	10	45	MC		*		*			-0.116, -0.159	
RD	10	99	MC		*		*			-0.136, -0.153	
RD	10	100	MC		*		*			-0.200, -0.123	
RD	10	102	CR		*					-0.103	
RD	10	104	MC		*		*			-0.181, -0.180	
RD	10	106	CR		+		+			0.143, 0.126	
RD	10	108	MC		+					0.120	
RD	10	111	MC		+					0.148	
RD	10	112	MC		+					0.132	
RD	10	113	MC		+		+			0.117, 0.103	
SPAN											
RD	3	7	MC				*				-0.101
WR	3	5F	CR				*				-0.113
WR	3	10	MC		*						-0.135
WR	3	16	MC				*				-0.123
WR	3	18	MC		*		*				-0.166, -0.192
WR	4	3A	CR		+		+				0.254, 0.121
WR	4	3B	CR		+		+				0.183, 0.131
WR	4	53	CR		+		+				0.201, 0.114
WR	4	54	MC		*						-0.123
WR	4	66	MC		*		*				-0.131, -0.105
WR	4	76	CR				+				0.102
WR	4	82	MC		*		*				-0.182, -0.138
WR	4	83	MC		*		*				-0.143, -0.157
WR	4	90	MC		*		*				-0.176, -0.177
WR	4	95	CR		+		+				0.165, 0.116

¹ Immigrant No (N=56704); Immigrant Yes (N=316-1650); Migrant No (N=56682); Migrant Yes (N=143-698); Homeless No (N=56593); Homeless Yes (N=68-687);

+ = favoring; * = disfavoring.

Table B-11 (continued). 2006 Items Flagged for DIF by Immigrant, Migrant, Homeless Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹						Observed-Predicted
				Immigrant		Migrant		Homeless		
				No	Yes	No	Yes	No	Yes	
WR	5	2A	CR		+		+			0.254, 0.137
WR	5	2C	CR		*		*			-0.123, -0.159
WR	5	3A	CR		+		+			0.147, 0.165
WR	5	3B	CR				+			0.118
WR	5	3C	CR				+			0.102
WR	5	54	MC		*					-0.135
WR	5	73	MC		*		*			-0.241, -0.177
WR	5	74	MC		*		*			-0.178, -0.152
WR	5	88	MC		+					0.125
WR	5	92	CR		+		+			0.179, 0.206
WR	5	117	CR				+			0.112
WR	6	2D	CR		+					0.159
WR	6	32	CR				+			0.137
WR	6	57	MC		*		*			-0.203, -0.183
WR	6	78	CR				+			0.121
WR	6	84	MC		+					0.103
WR	7	2F	CR		*					-0.101
WR	7	54	MC		*		*			-0.167, -0.171
WR	7	65	CR				+			0.100
WR	7	81	MC		+					0.101
WR	7	88	CR				+			0.112
WR	8	2B	CR		+					0.112
WR	8	21	CR				+			0.146
WR	8	68	MC		*		*			-0.174, -0.148
WR	8	69	CR				+			0.143
WR	8	86	CR				+			0.133
WR	9	2A	CR		*					-0.112
WR	9	2B	CR		*					-0.147
WR	9	59	MC		+					0.106
WR	9	67	MC		+					0.115
WR	9	70	CR				+			0.100
WR	9	84	MC		+					0.141
WR	9	87	MC				*			-0.100
WR	10	2B	CR				*			-0.101
WR	10	65	MC		+					0.123
WR	10	73	CR				+			0.111
WR	10	90	MC		*		*			-0.215, -0.171
SPAN WR	3	6	MC					+		0.166
SPAN WR	3	18	MC				+			0.104
SPAN WR	3	19	MC				+			0.138

¹ Immigrant No (N=56704); Immigrant Yes (N=316-1650); Migrant No (N=56682); Migrant Yes (N=143-698); Homeless No (N=56593); Homeless Yes (N=68-687);
+ = favoring; * = disfavoring.

Table B-11 (continued). 2006 Items Flagged for DIF by Immigrant, Migrant, Homeless Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹						Observed-Predicted
				Immigrant		Migrant		Homeless		
				No	Yes	No	Yes	No	Yes	
MA	3	27	CR		+					0.102
MA	4	11	CR		*		*			-0.242, -0.156
MA	4	15	CR		*					-0.260
MA	4	18	CR		+					0.132
MA	4	35	MC		+					0.104
MA	4	62	MC		+					0.103
MA	4	66	MC		+					0.117
MA	4	69	CR		+					0.188
MA	5	15	CR		+		+		+	0.133, 0.108, 0.112
MA	5	19	CR		*					-0.119
MA	5	23	CR						+	0.105
MA	5	36	MC		+					0.105
MA	5	42	MC		*					-0.105
MA	5	43	MC		+					0.117
MA	5	45	MC		+					0.114
MA	5	46	CR		*					-0.108
MA	5	53	CR		+					0.112
MA	5	69	CR		*					-0.113
MA	6	2	MC		+					0.143
MA	6	7	CR		*					-0.143
MA	6	11	CR		+					0.117
MA	6	23	MC		+					0.122
MA	6	25	MC		*					-0.165
MA	6	26	CR		*					-0.177
MA	6	40	CR		*					-0.171
MA	6	43	CR		*		*			-0.204, -0.119
MA	6	50	MC		+					0.146
MA	7	3	CR		+					0.153
MA	7	6	MC		*		*			-0.115, -0.113
MA	7	7	CR		*					-0.144
MA	7	13	CR		*					-0.128
MA	7	15	CR		+		+			0.225, 0.115
MA	7	29	CR				*			-0.109
MA	7	30	MC		+					0.122
MA	7	33	CR		*					-0.144
MA	7	35	CR		+		+			0.148, 0.125
MA	7	58	MC		*					-0.119
MA	7	60	CR		*					-0.299

¹ Immigrant No (N=56704); Immigrant Yes (N=316-1650); Migrant No (N=56682); Migrant Yes (N=143-698); Homeless No (N=56593); Homeless Yes (N=68-687);
+ = favoring; * = disfavoring.

Table B-11 (continued). 2006 Items Flagged for DIF by Immigrant, Migrant, Homeless Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹						Observed-Predicted
				Immigrant		Migrant		Homeless		
				No	Yes	No	Yes	No	Yes	
MA	8	4	CR		*		*			-0.193, -0.119
MA	8	6	CR		*					-0.120
MA	8	9	MC		*		*			-0.109, -0.118
MA	8	31	CR		+					0.156
MA	8	35	CR				+			0.108
MA	8	40	CR		+		+			0.121, 0.144
MA	8	46	CR		*		*			-0.101, -0.106
MA	8	49	CR		+		+		+	0.148, 0.135, 0.105
MA	8	55	CR				+			0.115
MA	8	58	MC		*					-0.114
MA	8	60	CR				+			0.160
MA	9	20	CR		*					-0.135
MA	9	24	CR		+		+			0.230, 0.167
MA	9	36	CR		*					-0.128
MA	9	50	CR		*					-0.151
MA	9	54	CR		*					-0.158
MA	9	60	CR		*		*			-0.182, -0.137
MA	10	4	CR						+	0.115
MA	10	13	MC		*				*	-0.100, -0.100
MA	10	15	CR		*					-0.129
MA	10	22	MC				*			-0.109
MA	10	25	CR		+					0.105
MA	10	28	CR		*		*			-0.284, -0.175
MA	10	34	CR				+			0.121
MA	10	37	MC		+					0.113
MA	10	38	MC		+		+			0.119, 0.103
SC	5	29	CR		*					-0.101
SC	5	43	CR		*		*			-0.234, -0.117
SC	5	75	CR		+					0.105
SC	8	4	MC		+		+			0.116, 0.102
SC	8	12	MC		+					0.122
SC	8	17	MC		*					-0.180
SC	8	22	CR		*					-0.159
SC	8	24	CR		+		+		*	0.232, 0.205, -0.253
SC	8	42	CR		*					-0.102
SC	8	47	CR		*					-0.104
SC	8	56	CR		*					-0.167
SC	8	61	MC		+					0.132

¹ Immigrant No (N=56704); Immigrant Yes (N=316-1650); Migrant No (N=56682); Migrant Yes (N=143-698); Homeless No (N=56593); Homeless Yes (N=68-687);
+ = favoring; * = disfavoring.

Table B-11 (concluded). 2006 Items Flagged for DIF by Immigrant, Migrant, Homeless Focal Group, in Favor of (+) and against (*)

Content	Grade	Item	Type	Focal Group ¹						Observed-Predicted
				Immigrant		Migrant		Homeless		
				No	Yes	No	Yes	No	Yes	
SC	10	3	MC		*		*			-0.173, -0.126
SC	10	21	CR						*	-0.214
SC	10	23	CR		*					-0.139
SC	10	27	CR		*					-0.103
SC	10	29	CR		*					-0.115
SC	10	66	MC		*					-0.111
SC	10	71	CR		*		*			-0.263, -0.158

¹ Immigrant No (N=56704); Immigrant Yes (N=316-1650); Migrant No (N=56682); Migrant Yes (N=143-698); Homeless No (N=56593); Homeless Yes (N=68-687):
+ = favoring; * = disfavoring.

Table B-12. Inter-correlation among Content Areas (Scale Scores)

Grade	Content Area	Reading	Writing	Math	Science
3	Reading	1.000	0.766	0.721	
	Writing	0.766	1.000	0.731	
	Mathematics	0.721	0.731	1.000	
4	Reading	1.000	0.822	0.760	
	Writing	0.822	1.000	0.757	
	Mathematics	0.760	0.757	1.000	
5	Reading	1.000	0.830	0.766	0.819
	Writing	0.830	1.000	0.772	0.780
	Mathematics	0.766	0.772	1.000	0.807
	Science	0.819	0.780	0.807	1.000
6	Reading	1.000	0.835	0.786	
	Writing	0.835	1.000	0.776	
	Mathematics	0.786	0.776	1.000	
7	Reading	1.000	0.856	0.790	
	Writing	0.856	1.000	0.785	
	Mathematics	0.790	0.785	1.000	
8	Reading	1.000	0.838	0.771	0.836
	Writing	0.838	1.000	0.771	0.773
	Mathematics	0.771	0.771	1.000	0.839
	Science	0.836	0.773	0.839	1.000
9	Reading	1.000	0.864	0.781	
	Writing	0.864	1.000	0.794	
	Mathematics	0.781	0.794	1.000	
10	Reading	1.000	0.843	0.784	0.815
	Writing	0.843	1.000	0.773	0.764
	Mathematics	0.784	0.773	1.000	0.854
	Science	0.815	0.764	0.854	1.000

Table B-13. Inter-correlation among Content Areas (Percentile Ranks)

Grade	Content Area	Reading	Writing	Math	Science
3	Reading	1.000	0.801	0.749	
	Writing	0.801	1.000	0.749	
	Mathematics	0.749	0.749	1.000	
4	Reading	1.000	0.856	0.786	
	Writing	0.856	1.000	0.764	
	Mathematics	0.786	0.764	1.000	
5	Reading	1.000	0.856	0.794	0.849
	Writing	0.856	1.000	0.783	0.780
	Mathematics	0.794	0.783	1.000	0.811
	Science	0.849	0.780	0.811	1.000
6	Reading	1.000	0.848	0.802	
	Writing	0.848	1.000	0.780	
	Mathematics	0.802	0.780	1.000	
7	Reading	1.000	0.873	0.805	
	Writing	0.873	1.000	0.796	
	Mathematics	0.805	0.796	1.000	
8	Reading	1.000	0.858	0.791	0.854
	Writing	0.858	1.000	0.777	0.764
	Mathematics	0.791	0.777	1.000	0.841
	Science	0.854	0.764	0.841	1.000
9	Reading	1.000	0.889	0.803	
	Writing	0.889	1.000	0.806	
	Mathematics	0.803	0.806	1.000	
10	Reading	1.000	0.856	0.800	0.824
	Writing	0.856	1.000	0.771	0.750
	Mathematics	0.800	0.771	1.000	0.861
	Science	0.824	0.750	0.861	1.000

Table B-14. Inter-correlation with Demographic Variables

Content	Grade	Language	Age	Gender	Amer. Indian/ Aleut.	Asian	Black	Hispanic
Mathematics	3	English	-0.036	0.015	-0.033	0.067	-0.133	-0.309
Mathematics	4	English	-0.066	0.034	-0.032	0.071	-0.140	-0.293
Mathematics	5	English	-0.112	0.004	-0.032	0.075	-0.126	-0.288
Mathematics	6	English	-0.145	-0.004	-0.039	0.072	-0.138	-0.306
Mathematics	7	English	-0.158	-0.005	-0.040	0.070	-0.158	-0.318
Mathematics	8	English	-0.174	0.008	-0.041	0.069	-0.151	-0.312
Mathematics	9	English	-0.230	0.007	-0.049	0.063	-0.151	-0.329
Mathematics	10	English	-0.221	0.004	-0.035	0.059	-0.164	-0.313
Reading	3	English	-0.054	-0.090	-0.028	0.037	-0.108	-0.286
Reading	4	English	-0.081	-0.105	-0.029	0.034	-0.114	-0.306
Reading	5	English	-0.118	-0.102	-0.024	0.043	-0.094	-0.315
Reading	6	English	-0.141	-0.101	-0.036	0.038	-0.092	-0.344
Reading	7	English	-0.150	-0.125	-0.043	0.031	-0.102	-0.334
Reading	8	English	-0.159	-0.132	-0.032	0.026	-0.108	-0.335
Reading	9	English	-0.205	-0.152	-0.036	0.024	-0.101	-0.335
Reading	10	English	-0.204	-0.153	-0.028	0.024	-0.114	-0.302
Reading	4	Spanish	-0.125	-0.066	0.023			
Writing	3	English	-0.066	-0.141	-0.035	0.036	-0.111	-0.288
Writing	4	English	-0.078	-0.173	-0.028	0.049	-0.102	-0.319
Writing	5	English	-0.111	-0.170	-0.027	0.053	-0.092	-0.330
Writing	6	English	-0.146	-0.204	-0.042	0.056	-0.098	-0.312
Writing	7	English	-0.152	-0.188	-0.037	0.048	-0.101	-0.333
Writing	8	English	-0.173	-0.239	-0.036	0.054	-0.098	-0.311
Writing	9	English	-0.222	-0.194	-0.044	0.038	-0.110	-0.337
Writing	10	English	-0.218	-0.222	-0.035	0.038	-0.111	-0.303
Writing	4	Spanish	-0.186	-0.129	0.076			
Science	5	English	-0.078	0.034	-0.020	0.025	-0.136	-0.386
Science	8	English	-0.138	0.034	-0.039	0.032	-0.151	-0.367
Science	10	English	-0.191	0.051	-0.027	0.026	-0.158	-0.351

Table B-15. Predictive Validity Coefficients (2005-2006)

Content Area	Grade in 2005	Grade in 2006	Number Matched	Reliability 2005	Reliability 2006	Correlation $r_{2005-2006}$	Validity Coefficient
Reading	3	4	49825	0.89	0.92	0.80	0.88
Reading	4	5	51454	0.93	0.93	0.85	0.91
Reading	5	6	52012	0.92	0.93	0.86	0.93
Reading	6	7	52724	0.93	0.93	0.86	0.93
Reading	7	8	53603	0.93	0.93	0.87	0.94
Reading	8	9	51668	0.93	0.93	0.86	0.92
Reading	9	10	49263	0.93	0.92	0.85	0.91
Spanish Reading	3	4	168	0.88	0.91	0.70	0.79
Writing	3	4	50418	0.90	0.91	0.77	0.85
Writing	4	5	51671	0.92	0.92	0.81	0.88
Writing	5	6	52300	0.90	0.91	0.82	0.90
Writing	6	7	53104	0.90	0.91	0.85	0.94
Writing	7	8	54039	0.90	0.92	0.86	0.94
Writing	8	9	51887	0.90	0.93	0.85	0.93
Writing	9	10	49552	0.92	0.91	0.85	0.93
Spanish Writing	3	4	172	0.90	0.88	0.62	0.69
Mathematics	3	4	52026	0.89	0.94	0.79	0.86
Mathematics	4	5	52046	0.93	0.94	0.85	0.91
Mathematics	5	6	52270	0.94	0.94	0.87	0.92
Mathematics	6	7	52969	0.94	0.93	0.89	0.95
Mathematics	7	8	53684	0.94	0.93	0.90	0.96
Mathematics	8	9	51467	0.94	0.93	0.90	0.96
Mathematics	9	10	48915	0.93	0.93	0.90	0.97