APPENDIX K DIFFERENTIAL ITEM FUNCTIONING RESULTS

Table K-1. Number of Items Classified as "Low" or "High" DIF, Overall and by Group Favored—ELA

	Grou	ір				Number "Lov	v"		Number "High"		
			Item	Number			oring		Favor	ing	
Grade	Reference	Focal	Туре	of Items	Total	Non- Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers	
			CR	1	0	0	0	0	0	0	
	Male	Female	ES	1	0	0	0	0	0	0	
			SR	28	2	1	1	0	0	0	
			CR	1	0	0	0	0	0	0	
	Not LEPFLEP	LEPFLEP	ES	1	0	0	0	0	0	0	
			SR	28	0	0	0	0	0	0	
			CR	1	0	0	0	0	0	0	
	Not Economically Disadvantaged	Economically Disadvantaged	ES	1	0	0	0	0	0	0	
3			SR	28	1	1	0	0	0	0	
		A6: A .	CR	1	0	0	0	0	0	0	
		African American	ES	1	0	0	0	0	0	0	
	White		SR	28	0	0	0	0	0	0	
		I Paramia	CR	1	0	0	0	0	0	0	
		Hispanic	ES	1	0	0	0	0	0	0	
			SR	28 1	2	1	1	0	0	0	
	Chudanta without Diaghilities	Students with Disabilities	CR	1 1	0	0 0	0	0	0	0	
	Students without Disabilities		ES SR	28	0 4	2	0 2	0	0	0	
			CR	20 1	0	0	0	0	0	0	
	Male	Female	ES	1	0	0	0	0	0	0	
	Male	remale	SR	29	3	2	1	0	0	0	
			CR	29 1	0	0	0	0	0	0	
	Not LEPFLEP	LEPFLEP	ES	1	0	0	0	0	0	0	
	NOLLEFFLEF	LEFFLEF	SR	29	1	0	1	0	0	0	
			CR	1	Ó	0	0	0	0	0	
	Not Economically Disadvantaged	Economically Disadvantaged	ES	1	0	0	0	0	0	0	
	Not Economically Disactivatinged	Economically Disactantaged	SR	29	0	0	Ő	0	0	0	
4			CR	1	Õ	Ö	Õ	0	Ŏ	0	
		African American	ES	1	0	0	0	0	0	0	
		, anoth , anothour	SR	29	2	1	1	0	0	0	
	White		CR	1	0	Ö	Ö	0	Ŏ	0	
		Hispanic	ES	1	Õ	Ö	Õ	0	Ŏ	0	
			SR	29	2	1	1	Ö	Ö	0	
			CR	1	0	0	0	Ö	Ō	Ö	
	Students without Disabilities	ithout Disabilities Students with Disabilities	ES	1	Ö	Ö	Ö	Ö	Ö	0	
			SR	29	1	Ö	1	Ö	Ō	0	

	Grou	ıp	ltom	Number		Number "Low Favo	v" oring		Number "High" Favoring		
Grade	Reference	Focal	Item Type	of Items	Total	Non- Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers	
	Male	Female	ES SR	2 29	0 4	0 3	0	0	0 0	0	
	Not LEPFLEP	LEPFLEP	ES	2	0	0	0	0	0	0	
	110(221 1 221		SR ES	29 2	1 0	0 0	1 0	0	0 0	0	
-	Not Economically Disadvantaged	Economically Disadvantaged	SR	29	1	1	0	0	0	0	
5		African American	ES SR	2 29	0 2	0 2	0 0	0	0	0	
	White		ES	29	0	0	0	0	0	0	
		Hispanic	SR	29	1	1	0	0	0	0	
	Students without Disabilities	Students with Disabilities	ES SR	2 29	0 1	0 1	0 0	0 0	0 0	0	
			ES	29	0	0	0	0	0	0	
	Male	Female	SR	30	4	3	1	Ö	Ö	0	
	Not LEPFLEP	LEPFLEP	ES	2	0	0	0	0	0	0	
	110(121 1 121		SR	30	2	2	0	0	0	0	
	Not Economically Disadvantaged	Economically Disadvantaged	ES SR	2 30	0 0	0 0	0 0	0	0 0	0	
6			ES	2	0	Ö	Ö	0	0	0	
	White	African American	SR	20	2	2	0	0	0	0	
	vville	Hispanic	ES	2	0	0	0	0	0	0	
		riiopariio	SR	30	0	0	0	0	0	0	
	Students without Disabilities	Students with Disabilities	ES	2	0	0	0	0	0	0	
			SR ES	30 2	0	0	0	0	0	0	
	Male	Female	SR	30	2	2	0	1	1	0	
			ES	2	0	0	0	0	0	0	
	Not LEPFLEP	LEPFLEP	SR	30	3	2	1	Ö	Ö	Ö	
	Not Economically Disadventaged	Economically Disadvantaged	ES	2	0	0	0	0	0	0	
	Not Economically Disadvantaged	Economically Disauvantaged	SR	30	0	0	0	0	0	0	
7		African American	ES	2	0	0	0	0	0	0	
	White	, another microali	SR	30	1	0	1	0	0	0	
	AALIIIC	Hispanic	ES	2	0	0	0	0	0	0	
		ι πορατιίο	SR	30	1	0	1	0	0	0	
	Students without Disabilities	Students with Disabilities	ES	2	0	0	0	0	0	0	
	Students without Disabilities	Students with Disabilities	SR	30	1	0	1	0	0	0	



	Grou		Number "Lov	ν"		Number "High"				
			Item	Number		Favo	oring		Favor	ing
Grade	Reference	Focal	Туре	of Items	Total	Non- Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers
	Mala	Famala	ES	2	0	0	0	0	0	0
	Male	Female	SR	30	4	2	2	0	0	0
	Next EDELED	LEDELED	ES	2	0	0	0	0	0	0
	Not LEPFLEP	LEPFLEP	SR	30	2	1	1	0	0	0
	Not Francische Disaberatured	Farmania III. Dia abandana d	ES	2	0	0	0	0	0	0
•	Not Economically Disadvantaged	Economically Disadvantaged	SR	30	0	0	0	0	0	0
8		African American	ES	2	0	0	0	0	0	0
	White	African American	SR	30	1	0	1	0	0	0
	vvnite	Llianania	ES	2	0	0	0	0	0	0
		Hispanic	SR	30	1	0	1	0	0	0
	Students without Disabilities	Students with Disabilities	ES	2	0	0	0	0	0	0
	Students without Disabilities		SR	30	0	0	0	0	0	0
	Male	Female	ES	2	0	0	0	0	0	0
	Male	remale	SR	28	1	1	0	0	0	0
	Not LEPFLEP	LEPFLEP	ES	2	0	0	0	0	0	0
	NOTEFFEE	LEFFLEF	SR	28	2	2	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	ES	2	0	0	0	0	0	0
10	Not Economically Disadvantaged	LCOHOITHCAILY DISACVAINAGEC	SR	28	0	0	0	0	0	0
10		African American	ES	2	0	0	0	0	0	0
	White	AINCAN AINCHCAN	SR	28	4	3	1	0	0	0
	VVIIILG	Hispanic	ES	2	0	0	0	0	0	0
		ι πορατιίο	SR	28	4	3	1	0	0	0
	Students without Disabilities	Students with Disabilities	ES	2	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SR	28	0	0	0	0	0	0

Table K-2. Number of Items Classified as "Low" or "High" DIF, Overall and by Group Favored—Mathematics

	Gr	oup	Item	Number		Number "Low Favoi			Number "High Favori	
Grade	Reference	Focal	Туре	of Items	Total	Non- Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers
			CR	4	0	0	0	0	0	0
	Male	Female	SA	10	0	0	0	0	0	0
			SR	33	2	2	0	0	0	0
		. ===: ==	CR	4	0	0	0	0	0	0
	Not LEPFLEP	LEPFLEP	SA	10	0	0	0	0	0	0
			SR	33	0	0	0	0	0	0
	Net Ferranically Disadvantaged	Farmania dha Diandanatana d	CR	4	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	SA	10	0	0	0	0	0	0
3			SR CR	33 4	2	0	2 0	0 0	0 0	0
		African American	SA	4 10	0 1	0	0	0	0	0
		Amcan American	SR	33	5	1	4	0	0	0
	White		CR	33 4	0	0	0	0	0	0
		Hispanic	SA	10	0	0	0	0	0	0
		Tilspatiic	SR	33	4	0	4	0	0	0
			CR	4	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SA	10	0	0	0	0	0	0
	Claderile Willedt Bloadinge	Gladofile With Blodofillago	SR	33	2	1	1	0	Ŏ	0
			CR	4	0	0	0	0	0	0
	Male	Female	SA	14	1	ĭ	0	0	ŏ	0
			SR	29	5	3	2	Ö	0	0
			CR	4	Ö	0	0	Ö	Ö	Ö
	Not LEPFLEP	LEPFLEP	SA	14	1	1	0	Ö	0	0
			SR	29	1	1	Ō	Ö	0	0
			CR	4	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	SA	14	0	0	0	0	0	0
4	, ,	,	SR	29	0	0	0	0	0	0
4			CR	4	0	0	0	0	0	0
	White	African American	SA	14	0	0	0	0	0	0
			SR	29	0	0	0	0	0	0
			CR	4	0	0	0	0	0	0
	White	Hispanic	SA	14	0	0	0	0	0	0
			SR	29	0	0	0	0	0	0
			CR	4	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SA	14	0	0	0	0	0	0
			SR	29	0	0	0	0	0	0

	Gr	oup	Item	Number		Number "Low Favo			Number "High Favori	
Grade	Reference	Focal	Туре	of Items	Total	Non- Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers
			CR	4	0	0	0	0	0	0
	Male	Female	SA SR	10 31	1	1 3	0 1	0 0	0	0 0
			CR	31 4	4 0	0	0	0	0 0	0
	Not LEPFLEP	LEPFLEP	SA	10	0	0	0	0	0	0
	110(== 1 1 == 1		SR	31	0	Ö	Ö	Ö	Ö	Ö
			CR	4	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	SA	10	0	0	0	0	0	0
5			SR	31	0	0	0	0	0	0
			CR	4	0	0	0	0	0	0
		African American	SA	10	0	0	0	0	0	0
	White		SR CR	31 4	1 0	0	0 0	0	0 0	0
		Hispanic	SA	10	0	0	0	0	0	0
		Hispanic	SR	31	1	1	0	0	0	0
			CR	4	Ö	Ö	0	0	Õ	0
	Students without Disabilities	Students with Disabilities	SA	10	1	1	0	0	0	0
			SR	31	1	0	1	0	0	0
			CR	4	0	0	0	0	0	0
	Male	Female	SA	10	1	1	0	0	0	0
			SR	31	4	4	0	0	0	0
	N-41 EDELED	LEDELED	CR	4	0	0	0	0	0	0
	Not LEPFLEP	LEPFLEP	SA SR	10 31	0 1	0	0 0	0 0	0 0	0 0
	Not Economically Disadvantaged	Economically Disadvantaged	CR	اد 4	0	0	0	0	0	0
	•	•	SA	10	0	0	0	0	0	0
_	Not Economically Disadvantaged	Economically Disadvantaged	SR	31	0	0	Õ	0	Ö	Ö
6			CR	4	0	0	0	0	0	Ō
		African American	SA	10	1	1	0	0	0	0
	White		SR	31	2	1	1	0	0	0
	VVIIICE		CR	4	0	0	0	0	0	0
		Hispanic	SA	10	0	0	0	0	0	0
			SR	31	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	CR SA	4 10	0 0	0	0 0	0	0 0	0 0
	Students without disabilities	Students with disabilities	SA SR	31	4	U 1	3	0	0	0
			CR	4	1	0	ა 1	0	0	0
7	Male	Female	SA	15	1	1	0	0	0	0
,	male	i omaio	SR	30	2	1	1	1	1	0



	Gre	oup	Item	Number		Number "Low Favo			Number "High Favori	
Grade	Reference	Focal	Туре	of Items	Total	Non- Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers
	Not LEPFLEP	LEPFLEP	CR SA SR	4 15 30	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
	Not Economically Disadvantaged	Economically Disadvantaged	CR SA SR	4 4 15	0 0 1	0 0 1	0 0 0	0 0 0	0 0 0	0 0 0
7	White	African American	CR SA SR	15 30 30	1 3 1	1 2 0	0 1 1	0 0 0	0 0 0	0 0 0
	Wille	Hispanic	CR SA SR	4 15 30	0 1 2	0 1 2	0 0 0	0 0 0	0 0 0	0 0 0
	Students without Disabilities	Students with Disabilities	CR SA SR	4 15 30	0 2 3	0 2 1	0 0 2	0 0 0	0 0 0	0 0 0
	Male	Female	CR SA SR	4 15 31	0 2 3	0 2 1	0 0 2	0 1 0	0 1 0	0 0 0
	Not LEPFLEP	LEPFLEP	CR SA SR	4 15 31	0 0 2	0 0 0	0 0 2	0 0 0	0 0 0	0 0 0
	Not Economically Disadvantaged	Economically Disadvantaged	CR SA SR	4 15 31	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
8		African American	CR SA SR	4 15 31	0 1 2	0 1 0	0 0 2	0 0 0	0 0 0	0 0 0
	White	Hispanic	CR SA SR	4 15 31	0 0 1	0 0 0	0 0 1	0 0 0	0 0 0	0 0 0
	Students without Disabilities	Students with Disabilities	CR SA SR	4 15 31	0 1 3	0 1 0	0 0 3	0 0 0	0 0 0	0 0 0
	Male	Female	CR SA SR	4 5 37	0 1 7	0 0 0 5	0 1 2	0 0 0	0 0 0	0 0
10	Not LEPFLEP	LEPFLEP	CR SA SR	37 4 5 37	7 0 0 2	0 0 2	0 0 0	0 0 0	0 0 0	0 0 0



	Gr	Group				Number "Low Favor			Number "High" Favoring			
Grade	Reference	Focal	Item Type	Number of Items	Total	Non- Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers		
			CR	4	0	0	0	0	0	0		
	Not Economically Disadvantaged	Economically Disadvantaged	SA	5	0	0	0	0	0	0		
			SR	37	0	0	0	0	0	0		
		African American	CR	4	0	0	0	0	0	0		
			SA	5	0	0	0	0	0	0		
40	140.1		SR	37	4	2	2	0	0	0		
10	White		CR	4	0	0	0	0	0	0		
		Hispanic	SA	5	0	0	0	0	0	0		
			SR	37	1	1	0	0	0	0		
			CR	4	0	0	0	0	0	0		
	Students without Disabilities	Students with Disabilities	SA	5	0	0	0	0	0	0		
			SR	37	0	0	0	0	0	0		

Table K-3. Number of Items Classified as "Low" or "High" DIF, Overall and by Group Favored—STE

		Group	Item	Number		Number "Lo			Number "High Favo	
Grade	Reference	Focal	Туре	of Items	Total	Non- Remote Testers	Remote Testers	Total	Non- Remote Testers	Remote Testers
	Male	Female	CR	6	1	0	1	0	0	0
	Maio	1 omaio	SR	35	9	6	3	1	1	0
	Not LEPFLEP	LEPFLEP	CR	6	0	0	0	0	0	0
			SR	35	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	CR	6	0	0	0	0	0	0
5			SR CR	35 6	0	0 0	0	0 0	0	0
		African American	SR	35	3	2	1	0	0	0
	White		CR	6	0	0	0	0	0	0
		Hispanic	SR	35	1	1	0	0	0	0
		Students with Disabilities	CR	6	0	0	0	0	0	0
	Students without Disabilities		SR	35	1	0	1	0	0	Ö
	M-1-	Familia	CR	6	1	0	1	0	0	0
	Male	Female	SR	35	6	3	3	2	2	0
	Not LEPFLEP	LEPFLEP	CR	6	0	0	0	0	0	0
	NOI LEFFLEF	LEFFLEF	SR	35	1	1	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	CR	6	0	0	0	0	0	0
8	Not Economically Disadvantaged	Economically Disadvantaged	SR	35	0	0	0	0	0	0
v		African American	CR	6	0	0	0	0	0	0
	White	, initiani , initinani	SR	35	5	4	1	0	0	0
		Hispanic	CR SR	6	0	0	0	0	0	0
				35	2	2	0	0	0	U
	Students without Disabilities	Students with Disabilities	CR SR	6 35	0 3	0 2	0 1	0 0	0	0

Table K-4. Number of Items Classified as "Low" or "High" DIF by Test Mode and Item Type—ELA

				Number "Low"			Number "High"	
Grade	Item	Number		Fav	oring or a second		Favo	oring
J. Lau	Туре	of Items	Total	Non-Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers
	CR	1	0	0	0	0	0	0
3	ES	1	0	0	0	0	0	0
	SR	28	0	0	0	0	0	0
	CR	1	0	0	0	0	0	0
4	ES	1	0	0	0	0	0	0
	SR	29	1	0	1	0	0	0
5	ES	2	0	0	0	0	0	0
5	SR	29	0	0	0	0	0	0
6	ES	2	0	0	0	0	0	0
0	SR	30	1	0	1	0	0	0
7	ES	2	0	0	0	0	0	0
,	SR	30	1	0	1	0	0	0
_	ES	2	0	0	0	0	0	0
8	SR	30	1	0	1	0	0	0
40	CR	1	0	0	0	0	0	0
10	ES	1	0	0	0	0	0	0

Table K-5. Number of Items Classified as "Low" or "High" DIF by Test Mode and Item Type —Mathematics

				Number "Low	,		Number "High"	
Grade	Item	Number		Fa	voring		Fav	oring
5.445	Туре	of Items	Total	Non-Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers
	CR	4	0	0	0	0	0	0
3	SA	10	4	2	2	0	0	0
	SR	33	7	4	3	1	0	1
	CR	4	0	0	0	0	0	0
4	SA	14	2	1	1	2	0	2
	SR	29	1	1	0	2	0	2
	CR	4	1	0	1	0	0	0
5	SA	10	0	0	0	2	1	1
	SR	31	3	1	2	2	1	1
	CR	4	0	0	0	0	0	0
6	SA	10	0	0	0	3	0	3
	SR	31	0	0	0	1	0	1
	CR	4	1	1	0	1	0	1
7	SA	15	2	1	1	1	0	1
	SR	30	5	4	1	0	0	0
	CR	4	0	0	0	0	0	0
8	SA	15	5	4	1	1	0	1
	SR	31	5	3	2	2	0	2
	CR	4	0	0	0	0	0	0
10	SA	5	0	0	0	0	0	0
	SR	37	0	0	0	0	0	0

Table K-6. Number of Items Classified as "Low" or "High" DIF by Test Mode and Item Type—Science

				Number "Low"		Number "High"			
Grade	ltem_	Number		Favoring			Favoring		
	Туре	of Items	Total	Non-Remote Testers	Remote Testers	Total	Non-Remote Testers	Remote Testers	
E	CR	6	0	0	0	0	0	0	
3	SR	35	0	0	0	0	0	0	
0	CR	6	0	0	0	0	0	0	
0	SR	35	0	0	0	0	0	0	