APPENDIX I DIFFERENTIAL ITEM FUNCTIONING RESULTS

Group		ltem	Number	Number "Low"			Number "High"			
Reference	Focal	Туре	of Items	Total	Favori Reference	ng Focal	Total	Favori Reference	ng Focal	
Male	Female	MC	40	5	4	1	0	0	0	
INIDIE		OR	5	0	0	0	0	0	0	
Students without	Students with Disabilities	MC	40	0	0	0	0	0	0	
Disabilities		OR	5	1	1	0	0	0	0	
	LEPFLEP	MC	40	1	1	0	0	0	0	
Not LEPFLEP		OR	5	0	0	0	0	0	0	
Not Economically	Economically	MC	40	0	0	0	0	0	0	
Disadvantaged	Disadvantaged	OR	5	0	0	0	0	0	0	
	African American	MC	40	1	0	1	0	0	0	
White		OR	5	0	0	0	0	0	0	
vville	Hispanic	MC	40	0	0	0	0	0	0	
		OR	5	0	0	0	0	0	0	

Table I-1. Number of Items Classified as "Low" or "High" DIF, Overall and by Group Favored – High School Biology

Table I-2. Number of Items Classified as "Low" or "High" DIF, Overall and by Group Favored – High School Chemistry

Group		ltem	Number	Number "Low"			Number "High"			
Reference	Focal	Туре	of Items	Total	Favori Reference	ng Focal	Total	Favori Reference	ng Focal	
Mala	Female	MC	32	0	0	0	0	0	0	
Male		OR	4	0	0	0	0	0	0	
Students withoutStudents withDisabilitiesDisabilities	Students with	MC	32	0	0	0	0	0	0	
	Disabilities	OR	4	0	0	0	0	0	0	
	LEPFLEP	MC	32	0	0	0	0	0	0	
Not LEPFLEP		OR	4	0	0	0	0	0	0	
Not Economically	Economically	MC	32	0	0	0	0	0	0	
Disadvantaged	Disadvantaged	OR	4	0	0	0	0	0	0	
	African American	MC	32	0	0	0	0	0	0	
\A/b:te		OR	4	0	0	0	0	0	0	
White	Hispanic	MC	32	0	0	0	0	0	0	
		OR	4	0	0	0	0	0	0	



Group		ltem	Number	Number "Low"			Number "High"			
Reference	Focal	Туре	of Items	Total	Favori Reference	ng Focal	Total	Favori Reference	ng Focal	
Male	Female	MC	40	5	3	2	0	0	0	
		OR	5	0	0	0	0	0	0	
Students without Disabilities	Students with Disabilities	MC	40	3	2	1	0	0	0	
		OR	5	0	0	0	0	0	0	
	LEPFLEP	MC	40	4	1	3	0	0	0	
Not LEPFLEP		OR	5	0	0	0	0	0	0	
Not Economically	Economically	MC	40	0	0	0	0	0	0	
Disadvantaged	Disadvantaged	OR	5	0	0	0	0	0	0	
	African American	MC	40	3	3	0	0	0	0	
White		OR	5	0	0	0	0	0	0	
writte	Hispanic	MC	40	1	1	0	0	0	0	
		OR	5	0	0	0	0	0	0	

Table I-3. Number of Items Classified as "Low" or "High" DIF, Overall and by Group Favored – High **School Introductory Physics**

Table I-4. Number of Items Classified as "Low" or "High" DIF, Overall and by Group Favored – High School Technology/Engineering

Group		ltem	Number	I	Number "Low	<i>I</i> "	Number "High"			
Reference	Focal	Туре	of Items	Total	Favoring Reference Focal		Total	Favoring Reference Focal		
NA-I-	Female	MC	40	11	6	5	8	7	1	
Male		OR	5	1	0	1	0	0	0	
Students without	ut Students with Disabilities	MC	40	11	7	4	5	3	2	
Disabilities		OR	5	2	1	1	0	0	0	
	LEPFLEP	MC	40	0	0	0	0	0	0	
Not LEPFLEP		OR	5	0	0	0	0	0	0	
Not Economically	Economically	MC	40	8	6	2	1	1	0	
Disadvantaged	Disadvantaged	OR	5	1	1	0	0	0	0	
White	African American	MC	40	0	0	0	0	0	0	
		OR	5	0	0	0	0	0	0	
WILLE	Hispanic	MC	40	0	0	0	0	0	0	
		OR	5	0	0	0	0	0	0	

