

Exhibit 2: Item Parameters for the TIMSS 2011 Students Engaged in Science Lessons Scale, Eighth Grade

Exhibit 6: Relationship Between the TIMSS 2011 Students Engaged in Science Lessons Scale, Eighth Grade, and TIMSS 2011 Science Achievement (Continued)

Country	Pearson's Correlation with Science Achievement		Variance in Science Achievement Accounted for by Difference Between Regions of the Scale (r^2)
	(r)	(r^2)	
Dubai, UAE	0.12	0.01	0.02
Alabama, US	0.03	0.00	0.01
California, US	0.20	0.04	0.05
Colorado, US	0.15	0.02	0.02
Connecticut, US	0.11	0.01	0.02
Florida, US	0.20	0.04	0.04
Indiana, US	0.14	0.02	0.02
Massachusetts, US	0.12	0.01	0.01
Minnesota, US	0.21	0.04	0.04
North Carolina, US	0.17	0.03	0.02