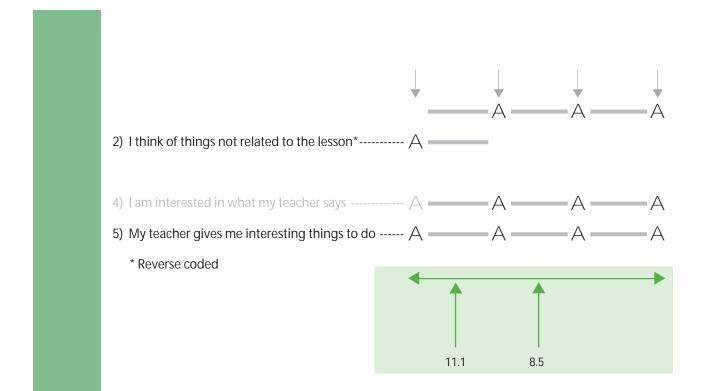
TIMSS 2011 The TIMSS 2011 Students Engaged in Physics Lessons Scale, Eighth Gra**ð**IMMSM 2

e Students Engaged in Physics Lessons (ESP) scale was created based on students' degree of agreement to the ve statements described below. is scale was administered in countries where the sciences are taught as separate subjects. See **Creating and Interpreting TIMSS and PIRLS 2011 Context Questionnaire Scales** for more information on how the scales were formed.



Item delta tau_1 tau_2 BSBP31A -1.07157 -0.82405 -0.39034	tau_3
RSRP310 _1.07157 _0.82405 _0.39034	1 01 400
	1.21439
BSBP31B* -0.46782 -1.06763 0.16676	0.90087
BSBP31C -1.01463 -0.81350 -0.24111	1.05461
BSBP31D -1.08686 -0.79047 -0.24525	1.03572
BSBP31E -0.75929 -0.77101 -0.18329	0.95430

*Reverse coded

3

Scale Transformation Constants	
A = 10.02283	Transformed Scale Score - 10.02202 + 1.40421 + Logit Scale Score
B = 1.49621	Transformed Scale Score = 10.02283 + 1.49621 • Logit Scale Score

4

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