

# Self-Efficacy for Computer Use Scale

*Self-Efficacy for Computer Use ( EC)*, *Journal of Educational Psychology*, 94(1), 101-114.

## Items in the ePIRLS 2016 *Self-Efficacy for Computer Use Scale*



**Item Parameters for the ePIRLS 2016 Self-Efficacy for Computer Use Scale**

Item	delta	tau_1	tau_2	tau_3	Infit
ASBE03A	-0.30146	-0.63034	-0.70712	1.33746	0.95
ASBE03B	0.28602	-0.73511	-0.61080	1.34591	0.97
ASBE03C	0.01544	-0.88525	-0.38788	1.27313	1.04

**Scale Transformation Constants for the ePIRLS 2016 Self-Efficacy for Computer Use Scale**

Scale Transformation Constants	
A = 7.582113	Transformed Scale Score = 7.582113 + 1.557903 • Logit Scale Score
B = 1.557903	

Raw Score	Transformed Scale Score	Grade
0	3.53502	
1	5.02075	
2	5.81380	
3	6.43388	
4	7.02434	R

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

**Cronbach's Alpha Reliability Coefficient and Principal Components Analysis  
of the Items in the ePIRLS 2016 Self-Efficacy for Computer Use Scale**

Country	Cronbach's Alpha Reliability Coefficient	Percent of Variance Explained	Component Loadings for Each Item		
			ASBE03A	ASBE03B	ASBE03C
Canada	0.57	54	0.78	0.77	0.65
Chinese Taipei	0.66	60	0.77	0.79	0.76
Denmark	0.68	61	0.79	0.81	0.75
Georgia	0.51	52	0.78	0.61	0.77
Ireland	0.67	61	0.82	0.81	0.70
Israel	0.63	58	0.79	0.79	0.71
Italy	0.69	63	0.82	0.80	0.75
Norway (5)	0.66	60	0.81	0.79	0.72
Portugal	0.66	60	0.84	0.81	0.67
Singapore	0.64	59	0.81	0.78	0.69
Slovenia	0.68	62	0.83	0.79	0.74
Sweden	0.71	64	0.85	0.83	0.71

