

Multimedia Appendix 1

Details of regression models exploring the relationship between the eP3a, post-test performance, and self-reported engagement.

Model 1: Post-Test Score = Training Condition + eP3a

	SS	Df	MS	<i>F</i>	R ² Change
Regression	2361.43	2	1180.72	0.92	0.045
Residual	46104.61	36	1280.68		
Coefficients	β	SE	<i>t</i> -value	<i>p</i> -value	
Intercept	372.63	12.84	29.03	<0.001	
Condition	-0.32	5.93	-0.05	0.96	
eP3a	1.64	1.26	1.30	0.20	

Model 2: Engagement Score = Training Condition + eP3a

	SS	Df	MS	<i>F</i>	R ² Change
Regression	5.09	2	2.54	3.20	0.14
Residual	28.75	36	0.79		
Coefficients	β	SE	<i>t</i> -value	<i>p</i> -value	
Intercept	4.67	0.32	14.57	<0.001	
Condition	0.01	0.15	0.09	0.93	
eP3a	-0.08	0.03	-2.42	0.02	

Note. Regression coefficients are not standardized and are thus interpretable in their natural units. For the Training Condition variable, Sterile = '-1' and Game = '1'. R² Change refers to the additional variance explained in the current model beyond a model with Training Condition only. The addition of the Training Condition X eP3a interaction did not improve either model.