

Appendix 1. Factor Loadings of Items of IMI Questionnaire

Question:	Loadings IMI BM			Loadings IMI CM		
	Intrinsic Motivation	Autonomy	Competence	Intrinsic Motivation	Autonomy	Competence
IM1	0.862	0.026	0.098	0.927	0.012	0.012
IM2	0.983			0.922		0.043
IM3	0.363	0.301	0.005	0.637	0.132	
IM4	0.502	0.131	0.169	0.591	0.147	0.113
AUT1	0.339	0.517		0.317	0.492	
AUT2	0.328	0.459	0.188	0.319	0.334	0.287
AUT3		0.788			0.76	
COM1		0.003	0.961			0.932
COM2	0.12		0.733	0.048	0.048	0.721
COM3		0.216	0.335		0.24	0.291
Cronbach's Alpha of Intended Items	0.777	0.603	0.627	0.847	0.618	0.67

Appendix 1. Factor loadings of the Acute Intrinsic Motivation IMI questionnaire within the intervention group having Basketball combined with mathematics (BM) and when having classroom-based mathematics (CM). Bold indicates loadings on intended factor. Cronbach's Alpha of intended items are represented.