Table 1. Overview of utilized variables.

Scale	N	#	α	$\bar{r}_{i(t-i)}$	Scale	M	SD
Cognitive variables:							
Phys. probl. sol. ability	141	16	0.87	0.52	0,1,2	7.35	6.8
General phys. prob. sol. ability	130	15	0.69	0.3	0.15	7.02	2.85
General cog. abilities	76	34	0.88	0.4	$0,\!1$	23.51	7.11
$Affective/motivational\ variables:$							
Self-efficacy physics	141	4	0.85	0.69	1,2,3,4	3.33	0.57
Expectancy physics competition	141	5	0.71	0.47	1,2,3,4	2.6	0.49
Value physics competition	141	4	0.77	0.57	1,2,3,4	2.85	0.64
Sense of belonging	141	15	0.81	0.42	1,2,3,4	3.32	0.34
Social support in physics	141	12	0.77	0.41	1,2,3,4	2.55	0.5
Success criterium:							
Highest round	141	1			1,2,3,4	1.61	0.63

^a N ... Number of student responses with at least one valid value, α ... internal consistency and $\bar{r}_{i(t-i)}$... mean discriminatory power of items.