

Table A. Attrition analysis: Differences between students retained in the longitudinal study and those assessed only at T1 across 17 variables.

Variables	Statistics	Cohen's d
Attainment Value	$t(778) = 0.27, p = .789$	.02
Intrinsic Value	$t(778) = 1.56, p = .120$	.11
Utility Value	$t(778) = -0.35, p = .725$	-.03
Cost	$t(778) = -2.16, p = .031$	-.16
Perceived Competence	$t(778) = 0.06, p = .954$	0
Practices promoting Interest	$t(778) = 0.45, p = .656$	.03
Practices emphasizing Costs	$t(774) = -0.15, p = .882$	-.01
Support Practices	$t(775) = 0.23, p = .819$	.02
Structure Practices	$t(774) = -0.12, p = .902$	-.01
Math Achievement - Addition	$t(775) = 1.63, p = .104$	.12
Math Achievement - Subtraction	$t(775) = 1.00, p = .319$	.07
Math Achievement - Multiplication	$t(774) = -0.62, p = .538$	-.04
Math Achievement - Problems resolution	$t(736) = -0.64, p = .524$	-.05
Estimated number of books at home	$t(776) = -0.21, p = .833$	-.02
Raven's Colored Progressive Matrices	$t(760) = -1.82, p = .070$	-.13
Students' Gender	$\chi^2(1) = 0.52, p = .470$	-
Parents' Gender	$\chi^2(1) = 2.17, p = .141$	-

Note. Values in bold indicate statistically significant differences.

Table B. Longitudinal invariance of student constructs

	χ^2/df	RMSEA	CFI	TLI	SRMR	$\Delta\text{RMSEA}/\Delta\text{CFI}/\Delta\text{TLI}/\Delta\text{SRMR}$
Intrinsic value						
(1) Configural	113.336/72	0.046	0.982	0.974	0.040	
(2) Eq. factor load.	123.561/80	0.045	0.981	0.975	0.046	(1)-(2) 0.001/0.001/0.001/0.006
(3) Eq. load./fact. var.	148.472/82	0.055	0.971	0.963	0.120	(2)-(3) 0.010/0.010/0.012/0.074
(4) Eq. load./interc.	698.957/91	0.158	0.739	0.699	1.721	(3)-(4) n/a
(5) Eq. factor mean	123.561/80	0.045	0.981	0.975	0.046	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	158.801/92	0.052	0.971	0.967	0.115	(3)-(6) 0.003/0.000/0.004/0.003
(7) Eq. load/res.var.	135.149/90	0.043	0.981	0.977	0.49	(6)-(7) 0.009/0.010/0.010/0.066
Utility value						
(1) Configural	105.160/72	0.041	0.973	0.960	0.039	
(2) Eq. factor load.	105.950/80	0.035	0.978	0.972	0.049	(1)-(2) 0.006/0.005/0.008/0.010
(3) Eq. load./fact. var.	107.481/82	0.034	0.979	0.973	0.067	(2)-(3) 0.001/0.001/0.001/0.018
(4) Eq. load./interc.	1114.940/91	0.205	0.152	0.021	6.923	(3)-(4) n/a
(5) Eq. factor mean	105.950/80	0.035	0.978	0.972	0.049	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	122.033/92	0.035	0.972	0.972	0.109	(3)-(6) 0.001/0.007/0.001/0.042
(7) Eq. load/res.var.	119.654/90	0.035	0.975	0.971	0.089	(6)-(7) 0.000/0.003/0.001/0.020
Attainment value						
(1) Configural	133.361/72	0.056	0.946	0.921	0.046	
(2) Eq. factor load.	145.501/80	0.055	0.942	0.924	0.066	(1)-(2) 0.001/0.004/0.003/0.020
(3) Eq. load./fact. var.	144.029/82	0.053	0.946	0.930	0.072	(2)-(3) 0.002/0.004/0.006/0.006
(4) Eq. load./interc.	1087.120/91	0.202	0.125	0.000	5.240	(3)-(4) n/a
(5) Eq. factor mean	145.501/80	0.055	0.942	0.924	0.066	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	151.663/92	0.049	0.948	0.940	0.100	(3)-(6) 0.004/0.002/0.006/0.028
(7) Eq. load/res.var.	153.405/90	0.051	0.944	0.935	0.094	(6)-(7) 0.002/0.004/0.005/0.006
Cost						
(1) Configural	119.749/72	0.050	0.951	0.929	0.047	
(2) Eq. factor load.	128.270/80	0.047	0.951	0.935	0.052	(1)-(2) 0.003/0.000/0.006/0.005
(3) Eq. load./fact. var.	152.112/82	0.056	0.928	0.908	0.082	(2)-(3) 0.009/0.023/0.027/0.030
(4) Eq. load./interc.	764.443/91	0.166	0.313	0.207	1.161	(3)-(4) n/a
(5) Eq. factor mean	128.270/80	0.047	0.951	0.935	0.052	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	176.762/92	0.059	0.914	0.901	0.104	(3)-(6) 0.003/0.014/0.007/0.022
(7) Eq. load/res.var.	147.342/90	0.049	0.941	0.932	0.064	(6)-(7) 0.010/0.027/0.031/0.040
Perceived compet.						
(1) Configural	117.625/72	0.049	0.971	0.957	0.40	
(2) Eq. factor load.	125.685/80	0.046	0.971	0.962	0.048	(1)-(2) 0.003/0.000/0.005/0.008
(3) Eq. load./fact. var.	137.946/82	0.050	0.964	0.954	0.074	(2)-(3) 0.004/0.005/0.008/0.026
(4) Eq. load./interc.	821.604/91	0.173	0.532	0.459	2.126	(3)-(4) n/a
(5) Eq. factor mean	125.685/80	0.046	0.971	0.962	0.048	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	148.647/92	0.048	0.964	0.959	0.082	(3)-(6) 0.002/0.000/0.005/0.008
(7) Eq. load/res.var.	136.293/92	0.044	0.970	0.965	0.055	(6)-(7) 0.004/0.006/0.006/0.027

Table C. Longitudinal invariance of parent constructs

	χ^2/df	RMSEA	CFI	TLI	SRMR	$\Delta\text{RMSEA}/\Delta\text{CFI}/\Delta\text{TLI}/\Delta\text{SRMR}$
Practices promoting interest						
(1) Configural	35.553/15	0.049	0.970	0.943	0.035	
(2) Eq. factor load.	35.671/18	0.041	0.974	0.959	0.039	(1)-(2) 0.006/0.004/0.016/0.004
(3) Eq. load./fact. var.	37.165/19	0.041	0.973	0.960	0.051	(2)-(3) 0.000/0.001/0.001/0.012
(4) Eq. load./interc.	1566.342/23	0.340	0.000	0.000	3.633	(3)-(4) n/a
(5) Eq. factor mean	35.671/18	0.041	0.974	0.959	0.039	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	47.416/23	0.043	0.964	0.956	0.098	(3)-(6) 0.000/0.001/0.001/0.047
(7) Eq. load/res.var.	44.614/22	0.042	0.967	0.957	0.076	(6)-(7) 0.001/0.003/0.001/0.022
Support practices						
(1) Configural	23.624/15	0.032	0.989	0.979	0.038	
(2) Eq. factor load.	27.190/18	0.030	0.988	0.982	0.045	(1)-(2) 0.002/0.001/0.003/0.007
(3) Eq. load./fact. var.	30.150/19	0.032	0.986	0.979	0.061	(2)-(3) 0.002/0.002/0.003/0.016
(4) Eq. load./interc.	1514.213/23	0.335	0.000	0.000	4.877	(3)-(4) n/a
(5) Eq. factor mean	27.190/18	0.030	0.988	0.982	0.045	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	42.322/23	0.038	0.975	0.970	0.114	(3)-(6) 0.006/0.011/0.009/0.053
(7) Eq. load/res.var.	37.599/22	0.035	0.980	0.975	0.078	(6)-(7) 0.003/0.005/0.005/0.036
Structure practices						
(1) Configural	6.130/5	0.020	0.999	0.996	0.020	
(2) Eq. factor load.	19.398/7	0.055	0.989	0.967	0.049	(1)-(2) 0.025/0.010/0.030/0.029
(3) Eq. load./fact. var.	22.841/8	0.057	0.982	0.966	0.073	(2)-(3) 0.002/0.007/0.001/0.026
(4) Eq. load./interc.	1495.560/11	0.483	0.000	0.000	3.986	(3)-(4) n/a
(5) Eq. factor mean	19.398/7	0.055	0.989	0.967	0.049	(4)-(5) n/a
(6) Eq. load/fact.var./res.var.	35.919/11	0.063	0.969	0.958	0.098	(3)-(6) 0.002/0.007/0.001/0.024
(7) Eq. load/res.var.	29.486/10	0.058	0.976	0.964	0.056	(6)-(7) 0.005/0.007/0.006/0.022