Appendix A *Variable Description*

Variable Name	Variable Description	Mean/%	Min	Max	SD	Cronbach's α
Student school engagement	(student report)					<u>u</u>
Behavioral engagement	A derived variable based on mean of 6 items, e.g., "during	4.546	1.667	5	0.506	0.786
	the past 2-3 months, I complete homework on time."					
Emotional engagement	A derived variable based on mean of 5 items, e.g., "I think	4.551	1	5	0.653	0.875
	that school is important."					
Cognitive engagement	A derived variable based on mean of 5 items, e.g., "I attempt	4.014	1	5	0.824	0.933
	to do my schoolwork thoroughly and well, rather than just					
	trying to get by."					
Parental academic involven	nent (parent report)					
Homework Help	"I help my child to do his/her homework."	2.880	1	4	0.871	
Homework Check	"I check my child's homework."	3.160	1	4	0.852	
Parental academic involven	nent (student report)					
Homework Help	"My parents help me to do my homework."	2.980	1	4	1.009	
Homework Check	"My parents check my homework."	3.050	1	4	1.024	
Parental daily	A derived variable based on mean of 3 items, e.g., "I support	3.545	1	4	0.503	0.859
involvement (parent	my child to participate in extracurricular activities."					
report)						
Parental daily	A derived variable based on mean of 3 items, e.g., "My	3.504	1	4	0.621	0.822
involvement (student	parents support me to participate in extracurricular					
report)	activities."					
Parent-child	A derived variable based on mean of 6 items, e.g., "My child	3.146	1	4	0.616	0.923
communication	talks about things that bother him/her."					
(parent report)						
Parent-child	A derived variable based on mean of 6 items, e.g., "I talk	3.259	1	4	0.738	0.922
communication	about things that bother me with my parents."					
(student report)						
Parental school participatio						
	"I help to organize activities and events at my child's school"	3.140	1	4	0.833	
	"I attend activities and events held by my child's school"	3.380	1	4	0.701	
Parental school participatio	n (student report)					

Help	"My parents help to organize activities and events at my school"	3.240	1	4	0.888
Attend	"My parents attend activities and events held by my school"	3.440	1	4	0.805
Female (student report)	Students' gender (Reference: Male)	52.3%	0	1	
Only child (parent report)	Whether student is the only child. (Reference: More than one)	44.1%	0	1	
Han (student report)	Whether a student is ethnic majority. (Reference: Minorities)	96.8%	0	1	
Grade level (student report)	Students' grade level (Reference: Grade 9)				
Grade 7		39.5%	0	1	
Grade 8		31.1%	0	1	
Family annual income (parent report)	Family annual income (in USD)	3.406	0.11	30.93	3.151
Mother education level (student report)	whether a student's mother received postsecondary education or not.	66.3%	0	1	
Father education level (student report)	whether a student's father received postsecondary education or not.	68.9%	0	1	

Notes: Since both parents and their children completed the questionnaires online, this study was able to adopt the forced answering option (respondents could choose not to start the survey or drop out before completing it). This led to no missing values for all the questions.

Appendix B

Stepwise Multiple Linear Regressions with School Fixed Effects (Dummy Coded Parental Academic

Involvement and Parental School Participation Variables)

	Behavioral		Emo	tional	Cognitive		
		gement	Engagement		Engagement		
-	Model 1	Model 2	Model 1	Model 2	Model 1	Model 2	
	B (se)						
Parental academic involvement (parent repo	ort)	, ,	, ,	,	, ,	, ,	
Homework Help	0.020	0.011	0.039	0.038	0.038	0.036	
_	(0.023)	(0.024)	(0.030)	(0.030)	(0.036)	(0.036)	
Homework Check	-0.005	-0.006	-0.005	-0.007	-0.029	-0.027	
	(0.027)	(0.027)	(0.034)	(0.034)	(0.041)	(0.041)	
Parental academic involvement (student rep	ort)						
Homework Help	-0.005	-0.010	-0.067*	-0.069*	-0.040	-0.044	
	(0.025)	(0.025)	(0.032)	(0.032)	(0.038)	(0.038)	
Homework Check	0.015	0.025	0.059	0.065^{*}	0.086^{*}	0.070	
	(0.025)	(0.026)	(0.032)	(0.033)	(0.039)	(0.039)	
Parental daily involvement	-0.010	-0.008	0.014	0.016	0.062	0.046	
(parent report)	(0.021)	(0.021)	(0.027)	(0.027)	(0.033)	(0.033)	
Parental daily involvement	0.168^{***}	0.169^{***}	0.209^{***}	0.210^{***}	0.198^{***}	0.191^{***}	
(student report)	(0.019)	(0.019)	(0.024)	(0.024)	(0.029)	(0.029)	
Parent-child communication	0.018	0.008	0.007	-0.001	-0.006	0.011	
(parent report)	(0.018)	(0.018)	(0.023)	(0.023)	(0.028)	(0.028)	
Parent-child communication	0.157***	0.155***	0.250***	0.249***	0.339***	0.342***	
(student report)	(0.016)	(0.016)	(0.020)	(0.021)	(0.025)	(0.025)	
Parental school participation (parent report)							
Help	0.055^{*}	0.054^{*}	0.039	0.040	0.104^{*}	0.093^{*}	
•	(0.026)	(0.026)	(0.034)	(0.034)	(0.041)	(0.041)	
Attend	-0.026	-0.019	-0.055	-0.049	-0.116*	-0.117*	
	(0.036)	(0.036)	(0.045)	(0.046)	(0.055)	(0.055)	
Parental school participation (student report		,	,	,	,	` ,	
Help	0.018	0.022	0.021	0.026	0.162***	0.151**	
•	(0.028)	(0.028)	(0.036)	(0.036)	(0.044)	(0.043)	
Attend	0.044	0.046	0.081*	0.083*	0.194***	0.200***	
	(0.032)	(0.033)	(0.041)	(0.042)	(0.050)	(0.050)	
Female	(/	0.063**	(0.052^{*}	(,	-0.137***	
(vs. male)		(0.020)		(0.025)		(0.030)	
Only child		0.042		-0.001		0.011	
(vs. more than one child)		(0.022)		(0.028)		(0.034)	
Han		0.000		-0.035		-0.040	
(vs. ethnic minorities)		(0.054)		(0.069)		(0.083)	
Grade level (vs. Grade 9)		` ,		, ,		` /	
Grade 7		0.039		0.040		0.013	
		(0.026)		(0.033)		(0.040)	
Grade 8		0.003		0.028		-0.037	
		(0.026)		(0.033)		(0.040)	
Family annual income		0.005		0.004		0.006	
(in USD)		(0.004)		(0.004)		(0.005)	
Mother education level		0.024		-0.017		0.051	
(vs. no undergraduate)		(0.037)		(0.047)		(0.057)	
Father education level		-0.005		-0.013		0.005	
(vs. no undergraduate)		(0.037)		(0.047)		(0.056)	
(vs. no undergraduate)		(0.037)					

Notes: 1. B = Unstandardized coefficients; 2. * p < 0.05, ** p < 0.01, *** p < 0.001; 3. School fixed effects were included in all the models.