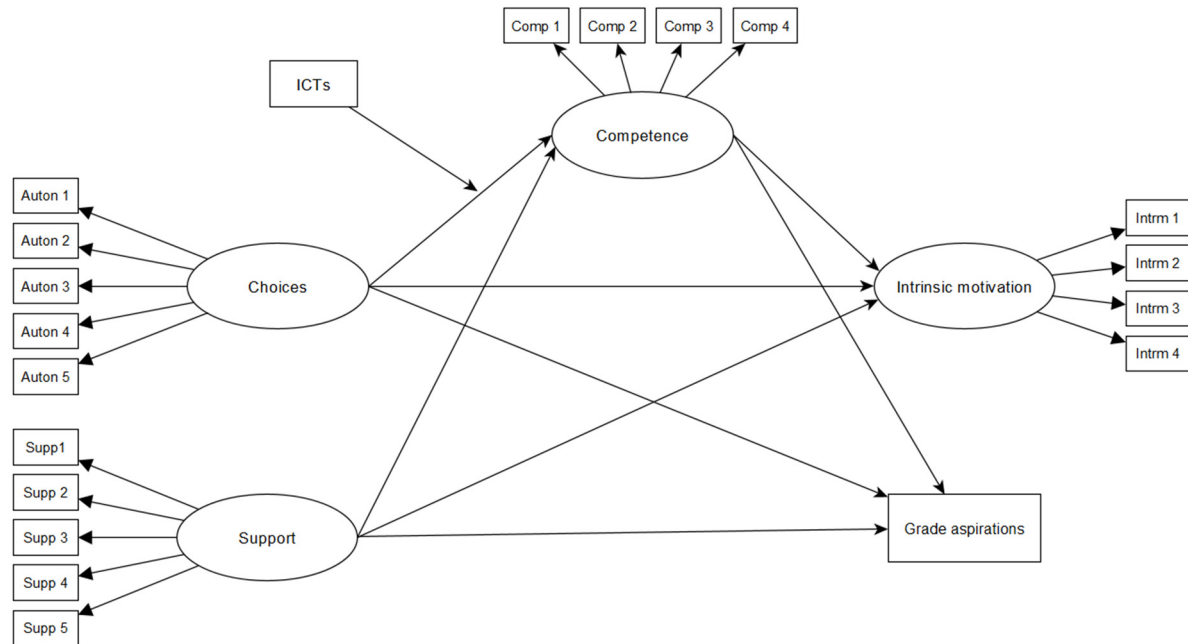


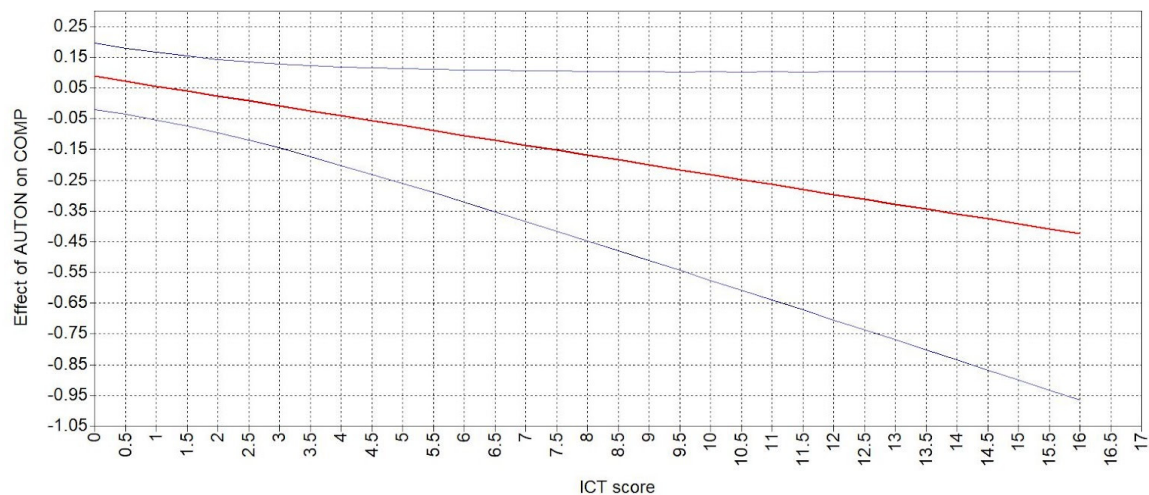
## Supporting Information

**Figure S1.** Assumed model.



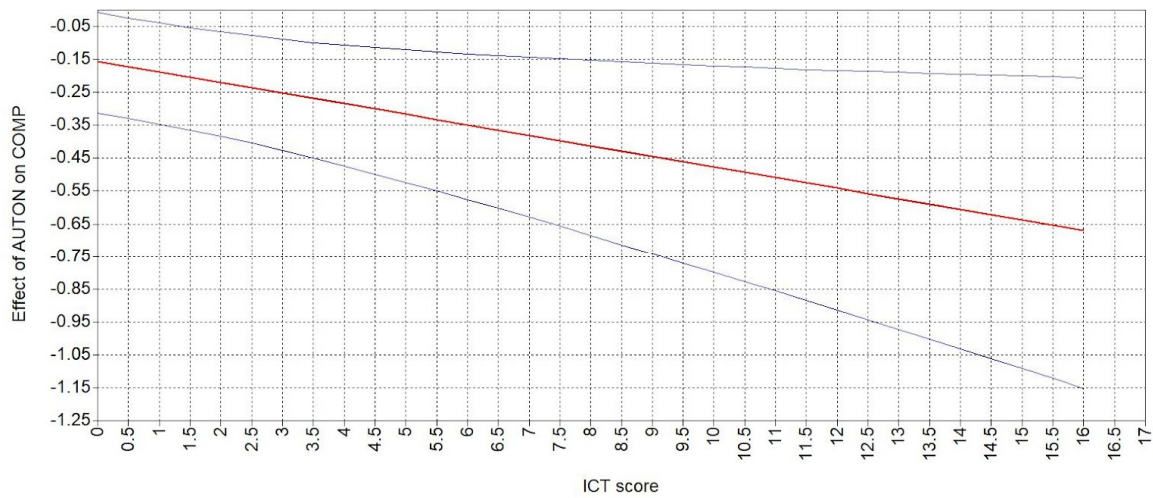
*Note.* Autonomy (in terms of providing choices) and constructive support were measured at wave 1, ICT use and perceived competence at wave 2, and intrinsic motivation and grade aspirations were measured at wave 3.

**Figure S2.** Johnson-Neyman-Plot for the moderated effect of autonomy on competence (Autonomy model)



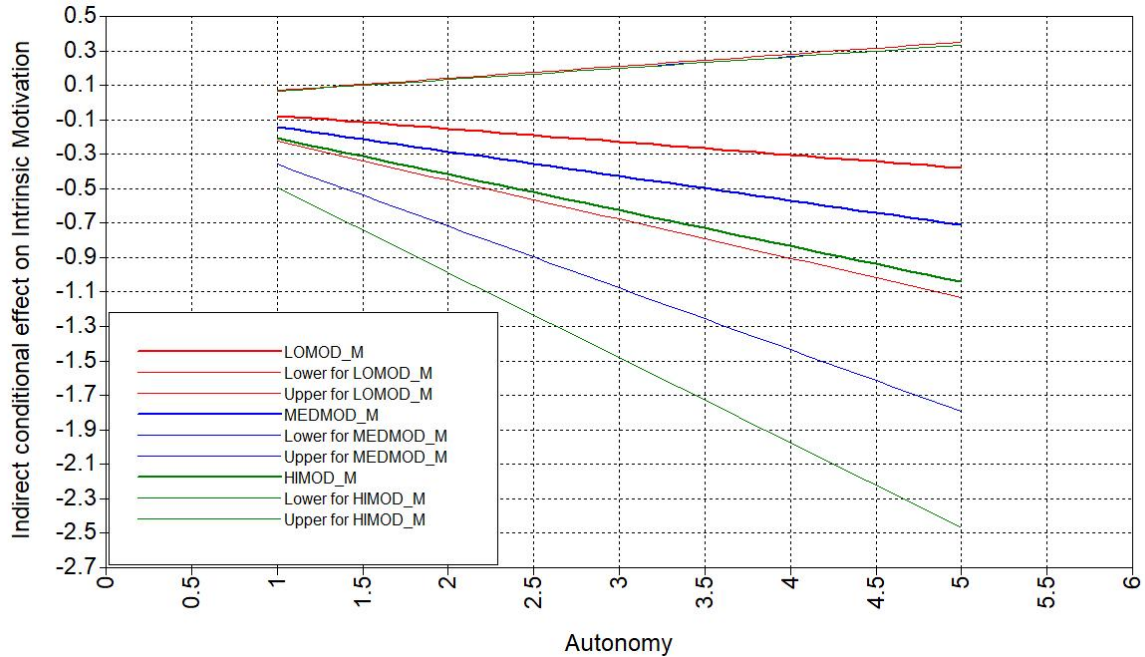
*Note.* AUTON = autonomy, COMP = perceived competence

**Figure S3.** Johnson-Neyman-Plot for the moderated effect of autonomy on competence (Moderated mediation model)



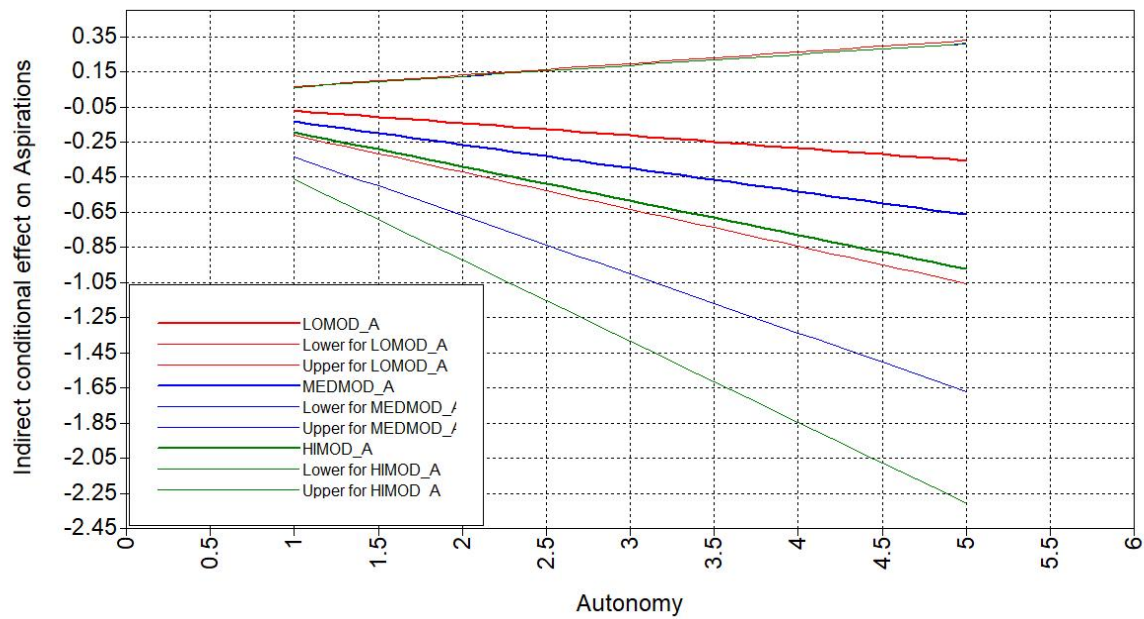
Note. AUTON = autonomy, COMP = perceived competence

**Figure S4.** Simple slope plot for conditional indirect effect of different ICT usage (low, medium, high) and autonomy via competence (Autonomy model, effect on intrinsic motivation)



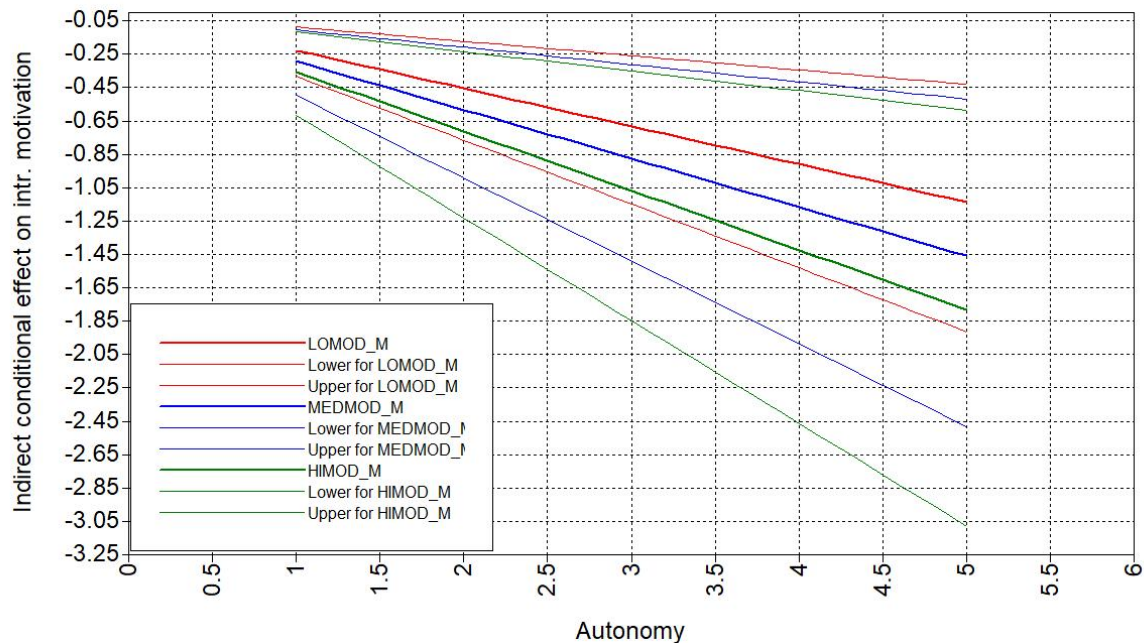
Note. "Lower" and "Upper" indicate lower and upper bound of the 95% confidence interval. LOMOD\_M = effect of low moderator value (1SD under mean) on intrinsic motivation, MEDMOD\_M = effect of mean moderator value on intrinsic motivation, HIMOD\_M = effect of high moderator value (1SD above mean) on intrinsic motivation.

**Figure S5.** Simple slope plot for conditional indirect effect of different ICT usage (low, medium, high) and autonomy via competence (Autonomy model, effect on grade aspirations)



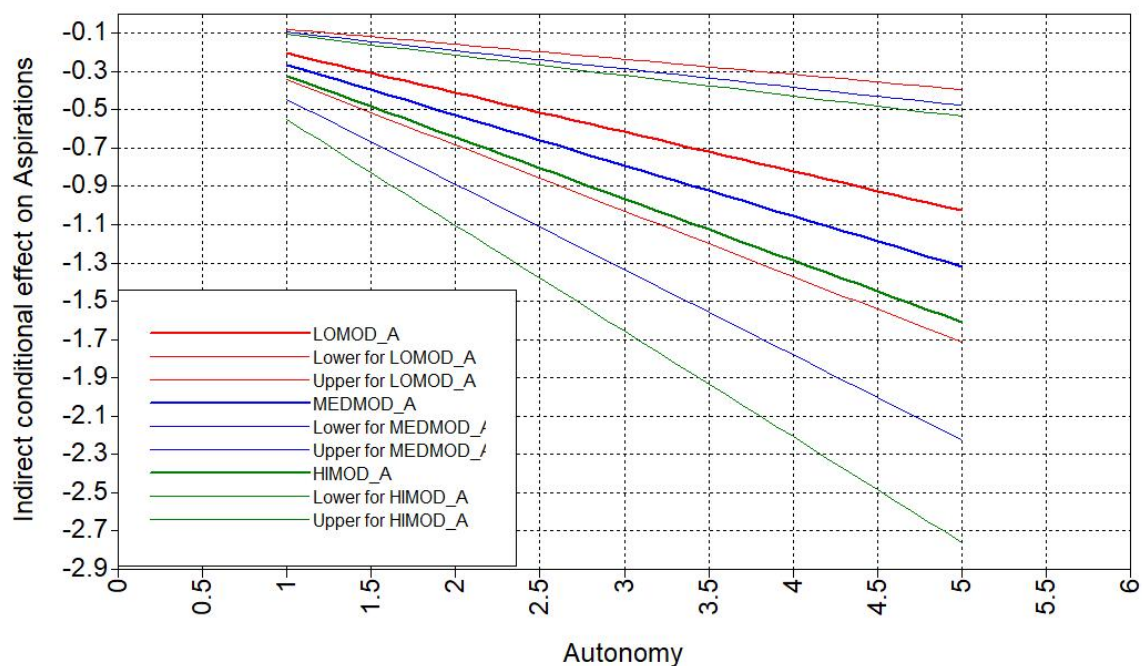
*Note.* “Lower” and “Upper” indicate lower and upper bound of the 95% confidence interval. LOMOD\_A = effect of low moderator value (1SD under mean) on grade aspirations, MEDMOD\_A = effect of mean moderator value on grade aspirations, HIMOD\_A = effect of high moderator value (1SD above mean) on grade aspirations.

**Figure S6.** Simple slope plot for conditional indirect effect of low, medium and high ICT usage and autonomy via competence (Moderated mediation model, effect on intrinsic motivation)



*Note.* “Lower” and “Upper” indicate lower and upper bound of the 95% confidence interval. LOMOD\_M = effect of low moderator value (1SD under mean) on intrinsic motivation, MEDMOD\_M = effect of mean moderator value on intrinsic motivation, HIMOD\_M = effect of high moderator value (1SD above mean) on intrinsic motivation.

**Figure S7.** Simple slope plot for conditional indirect effect of different ICT usage (low, medium, high) and autonomy via competence (Moderated mediation model, effect on aspirations)



*Note.* “Lower” and “Upper” indicate lower and upper bound of the 95% confidence interval. LOMOD\_A = effect of low moderator value (1SD under mean) on grade aspirations, MEDMOD\_A = effect of mean moderator value on grade aspirations, HIMOD\_A = effect of high moderator value (1SD above mean) on grade aspirations