

Supplementary Materials for:

Schoen, R. C., LaVenía, M., Chicken, E., Razzouk, R., & Kisa, Z. (2019). Increasing secondary-level teachers' knowledge in statistics and probability: Results from a randomized controlled trial of a professional development program. *Cogent Education OA*.  
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### Baseline Knowledge Moderation

Table S3

*Moderation of Treatment by Baseline Knowledge in Statistics and Probability at Fall 2014 Posttest*

	Model 1			Model 2		
	Estimate (SE)	<i>p</i> value	Effect size	Estimate (SE)	<i>p</i> value	Effect size
Treatment	0.231 (0.100)	.021	0.236	0.231 (0.103)	.025	0.236
DTAMS Pretest	0.739 (0.072)	< .001	0.740	0.780 (0.087)	< .001	0.781
Treatment × DTAMS Pretest				-0.074 (0.100)	.457	-0.055
Intercept	-0.122 (0.076)	.108	—	-0.120 (0.076)	.112	—

*Note.* *N* = 139 (Treatment *n* = 70; Control *n* = 69). DTAMS pretest and posttest variables are z-transformed raw sum scores. Effect sizes for continuous independent variables are the fully standardized STDYX estimates reported in the Mplus output; effect sizes for dichotomous independent variables were calculated using the Hedges' *g* formulation specified in the WWC Procedures Handbook (USDOE, 2017a).

Table S4

*Moderation of Treatment by Baseline Knowledge in Statistics and Probability at Spring 2015 Delayed Posttest*

	Model 1			Model 2		
	Estimate (SE)	<i>p</i> value	Effect size	Estimate (SE)	<i>p</i> value	Effect size
Treatment	0.225 (0.087)	.010	0.227	0.242 (0.081)	.003	0.244
DTAMS Pretest	0.666 (0.108)	< .001	0.679	0.708 (0.144)	< .001	0.722
Treatment × DTAMS Pretest				-0.076 (0.132)	.562	-0.059
Intercept	-0.247 (0.134)	.066	—	-0.255 (0.134)	.058	—

*Note.* *N* = 84 (Treatment *n* = 44; Control *n* = 40). DTAMS pretest and posttest variables are z-transformed raw sum scores. Effect sizes for continuous independent variables are the fully standardized STDYX estimates reported in the Mplus output; effect sizes for dichotomous independent variables were calculated using the Hedges' *g* formulation specified in the WWC Procedures Handbook (USDOE, 2017a).