

Authors	Publication	Participants	Context	Recruitment or retention	Intervention type	Outcome	Quality rating*
Abell et al. (2006)	Journal of Science Teacher Education	19 student teachers	USA	Recruitment	Alternative pathway / certification	Positive	1*
Allen & Sims (2017)	Education Data Lab, Wellcome Trust	18344 science teachers	UK	Retention	Training	Positive	2*
Bowe et al. (2011)	Journal of the National Association for Alternative Certification	331 student teachers	USA	Recruitment	Alternative pathway / certification	Mixed / no effect	2*
Boyd et al. (2012)	American Educational Research Journal	2693 student teachers	USA	Retention	Alternative pathway / certification	Mixed / no effect	3*
Brantlinger & Grant (2022a)	Education Policy Analysis Archives	617 mathematics teachers	USA	Retention	Alternative pathway / certification	Mixed / no effect	3*
Brantlinger & Grant (2022b)	Educational Policy	620 mathematics teachers	USA	Retention	Alternative pathway / certification	Negative	3*
Bueno & Sass (2018)	Andrew Young School of Policy Studies Research Paper Series	31171 science and maths teachers	USA	Both	Financial	Mixed / no effect	3*
Clotfelter et al. (2008)	Journal of Public Economics	103 intervention schools, 56 control schools, 29,584 teachers	USA	Retention	Financial	Positive	3*

Cooley (2009)	Proceedings of the tenth International Conference Models in Developing Mathematics Education	269 student teachers	USA	Retention	Alternative pathway / certification	Negative	2*
Demir et al. (2019)	Journal of Research in STEM Education	63 student teachers	USA	Recruitment	Financial and alternative pathway / certification	Positive	1*
Feng & Sass (2018)	Journal of Policy Analysis and Management	3294421 teachers	USA	Retention	Financial	Positive	3*
Galosy & Gillespie (2013)	A Journal of Educational Strategies, Issues and Ideas	112 teacher and 50 student teachers	USA	Retention	Alternative pathway / certification	Positive	2*
Glazerman & Seifullah (2012)	Final Report. Mathematica Policy Research	617 teachers	USA	Retention	Financial and training	Negative	3*
Kirchhoff & Lawrenz (2011)	Journal of Teacher Education	38 student teachers	USA	Retention	Training	Negative	2*
Author et al. (2023)	European Journal of Teacher Education	111 university students	UK	Recruitment	Training	Mixed / no effect	2*

Marder et al. (2022)	Education Policy Analysis Archives	13039 teachers	USA	Both	Financial	Mixed / no effect	2*
Morrell & Salomone (2017)	Journal of College Science Teaching	16 student teachers	USA	Recruitment	Financial	Positive	1*
Scott et al. (2006)	Journal of Science Teacher Education	37 student teachers	USA	Recruitment	Financial and alternative pathway / certification	Positive	1*
Sims & Benhenda (2022)	UCL Centre for Education Policy and Equalising opportunities	68969 teachers	USA	Retention	Financial	Positive	2*
Templeton et al. (2023)	Education Research Centre, College of Education	948 teachers	USA	Both	Financial	Negative	2*
Author et al. (2023)	Teaching and Teacher Education	432 university students	UK	Recruitment	Training	Positive	2*
Tomanek & Cummings (2000)	Science education	16 teachers and 15 Science majors	USA	Recruitment	Training	Mixed / no effect	1*
Urdegar (2019)	Evaluation Matters	170 teachers	USA	Both	Financial and alternative pathway / certification	Positive	1*
Whitfield et al. (2021)	Teaching and Teacher Education	29 teachers	USA	Recruitment	Financial	Negative	1*

Zahner et al. (2019)	Teachers College Record	110 teachers	USA	Both	Financial	Mixed / no effect	1*
-------------------------	----------------------------	--------------	-----	------	-----------	----------------------	----

*based on “The sieve” criteria for research quality (Gorard, 2018)