

Webinar Agenda: Teacher Qualifications Associated with Success in Algebra I

Wednesday, February 19, 2020
11:00 a.m. to 12:00 p.m. MT

Please join us for a REL Central webinar discussing new research on teacher qualifications associated with greater student success in Algebra I. Presenters will provide an overview of the REL Central report *Associations Between the Qualifications of Middle School Algebra I Teachers and Student Math Achievement*. Presenters will put forth this new research in conjunction with evidence suggesting that student success in Algebra I is critical for access to high-level math courses. Additionally, they will cover background on the design and constructs involved in math teacher certification exams. Teachers' performance on such exams was shown to be a significant indicator of student performance in Algebra I.

By participating in this webinar, you will

- learn about the current research on the importance of Algebra I success for access to higher level math courses;
- review the findings from a new REL Central report on teacher qualifications associated with student success in Algebra I; and
- gain insight into the constructs and principles assessed in math certification exams for teachers.

Agenda

11:00–11:05 a.m. Introduction to the Webinar

Facilitators: Mike Siebersma (REL Central)

Siebersma will provide an overview of the webinar features, resources, and goals. He will also introduce the speakers.



11:05–11:20 a.m. Why This Study?

Presenters: Neal Finkelstein (REL West) and Joshua Stewart (REL Central)

Finkelstein will provide an overview of the research on the importance of student success in Algebra I and describe findings in previous research on student success in Algebra I. Then, Stewart will explain the work of the REL Central College and Career Readiness Research Alliance and the impetus for the study *Associations Between the Qualifications of Middle School Algebra I Teachers and Student Math Achievement*.

11:20–11:35 a.m. Overview of Associations Between the Qualifications of Middle School Algebra I Teachers and Student Math Achievement

Presenter: Joshua Stewart

Stewart will provide an overview of the background, rationale, and methods of the REL Central study and share key findings highlighted in the report.

11:35 a.m.–11:55 a.m. Examination of Content and Constructs Assessed in a Math Teacher Certification Exam

Presenter: Geoffrey Phelps (Education Testing Service)

Phelps will share constructs and design principles of math certification exams as well as facilitate a question and answer session.

11:55 a.m.–12:00 p.m. Closing

Facilitator: Mike Siebersma

Siebersma will close the presentation and provide information on how to access the webinar resources and recording. Participants will take a brief feedback survey to help improve future webinars.

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