Project STAIR: The Beginning Phases of a Professional Development Project

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Purpose and Primary Goal

Project STAIR (Supporting Teaching of Algebra: Individual Readiness) is aimed at supporting the algebraic readiness of middle school students with disabilities or those considered at risk. One of the primary goals of this work is to develop and iteratively refine a framework for using data-based individualization (DBI) in order to integrate evidence-based mathematics instructional design principals and formative assessments.

Phases of Study Development and Teacher Cohorts

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<tbody>
<tr>
<td>Cohort 1 DBI</td>
<td>Cohort 2 DBI and BAU</td>
<td>Cohort 3 DBI and BAU</td>
<td>Follow up with Cohort 2 Follow up with Cohort 3</td>
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School Partners

School 1 (n = 7) mid-sized suburban Grades 6–8

School 2 (n = 6) mid-sized urban Grades 7–8

Preliminary Findings

Teachers completed pre-test surveys about their knowledge and skills related to DBI, their current instructional practices, and their beliefs.

(4-point Likert scale: 0 = low, 3 = high)