

Georgia State University

**Collaborating to Enhance the Mathematics Understanding for Secondary Teaching
through Classroom-Based Situations**

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Collaborating to Enhance Mathematical Understanding for Secondary Teaching through Classroom-Based Situations (CE-MUST) is a new professional development project developed to engage and improve secondary mathematics teachers from Atlanta Public Schools (APS) and Henry County Schools (HCS) in partnership with mathematics educators and a mathematician of Georgia State University (GSU). The goal of this project, CE-MUST is to advance 15 secondary teachers' mathematical understanding for secondary teaching with Georgia Standards of Excellence in Coordinate Algebra/Algebra 1. Through exploring, modeling, and creating practiced-based mathematical situations, teachers will increase their reasoning and problem-solving skills for teaching the content.

The project will provide 50 hours of professional development through a one week-long summer workshop, June 05-09, 2017, classroom observations and two half-day follow-up workshops in fall 2017 and spring 2018. A major emphasis of the project is ongoing support for teachers through bi-weekly online discussions via College at GSU to facilitate collaboration among participants. Observations among other activities will allow participants to share their knowledge and practices across the school systems. Two criterion-referenced evaluations will be administered at the mid- and end-point of the project. The anticipated timeframe for the project is February 1, 2017, through May 31, 2018.

Arts & Sciences Unit of Institute of Higher Education
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Unit of Institute of Higher Education that prepares teachers & principals
Georgia State University—College of Education

High Need LEA(s)
Atlanta Public Schools
Henry County