



Thinking Like Mathematicians: Challenging All Grade 3 Students

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Recruitment Invitation for Spring 2018 Pilot of Four Mathematics Lessons

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You are invited to participate in the pilot testing of four selected lessons (30 minutes preparation time for each lesson; 45-60 minutes to implement each lesson) for the study entitled Thinking Like Mathematicians: Challenging All Grade 3 Students. We developed the grade 3 unit: *If Aliens Taught Algebra: Multiplication and Division Would Be Out of This World!* that focuses on algebraic thinking, multiplication, and division. The unit includes lessons based on Common Core State Standards and 21st Century Skills (4Cs: Communication, Collaboration, Critical Thinking, Creativity). The lessons also reflect the research and curricular models of three well-known gifted education leaders in our field: Drs. Sandra Kaplan, Carol Ann Tomlinson, and Joseph S. Renzulli.

The lessons are designed for all grade 3 students with appropriate scaffolding and challenging activities to ensure they are addressing the same big mathematical ideas and key concepts. We would like you to review the specific unit materials and implement the four selected lessons with your students. All of the materials needed to implement the lessons are provided for your convenience.

After you have implemented the four lessons, you will be asked to complete the UConn licensed-based Qualtrics online Quality of Curriculum Unit Survey consisting of open-ended and closed-ended items. The survey is brief, and it will take approximately 20 minutes to complete. The total time commitment for this pilot study of the four mathematics lessons and completion of the survey will be approximately 6 hours within a 3-month time frame.

If you would like to participate in the pilot test of four mathematics lessons during your math classes with all your students, please complete responses to the UConn licensed-based Qualtrics

online survey within 2 weeks of receipt of this request. The following address is the link to the questions: (https://uconn.co1.qualtrics.com/jfe/form/SV_eKzvXLeM3tqzJCl).