

# EXCITING GAME-BASED LEARNING RESEARCH OPPORTUNITY FOR TWO SMU SIMMONS PH.D. STUDENTS

JOIN A COMMUNITY OF RESEARCHERS WORKING TO INTEGRATE  
COMPUTATIONAL THINKING INTO STEM EDUCATION USING MINECRAFT

## ABOUT THE PROJECT

Two fully-funded Ph.D. fellowships within the Research in Mathematics Education (RME) unit at Southern Methodist University (SMU) are available beginning Fall 2020. The fellowship has a duration of at least 3 years, contingent upon adequate progress in the Ph.D. program and work progress. The RME unit is part of the Annette Caldwell Simmons School of Education and Human Development. More information about our research projects can be found at [smu.edu/rme](http://smu.edu/rme)

While pursuing a Ph.D. at SMU, the selected doctoral students will work 20 hours a week on research focused on integrating computing into science, technology, engineering, and math (STEM) education in grades 6-12. Research will span the fields of game design, human computer interaction, machine learning, curriculum design and education assessment by integrating STEM+C (computing) curriculum directly into Minecraft. The cross-disciplinary project uses design-based implementation research with mixed methods in school settings. The project will help advance knowledge in game-based learning by building on techniques and experiences from commercial game design. The game and infrastructure produced through the research will serve as a innovative computational thinking resource for middle and high school educators. More information can be found by clicking the link: [humingamelab.com](http://humingamelab.com)

## WHO WE ARE LOOKING FOR

Potential applicants include students or colleagues who are interested in pursuing a Ph.D. in Education beginning in fall of 2020. This fellowship includes a monthly stipend and graduate tuition that is contingent upon adequate progress in the program.

Strong candidates will have leadership skills, research interests in computer science and mathematics education, past teaching experience in middle school or high school.

## ARE YOU INTERESTED?

Ph.D applications must be submitted by **December 1**. Start your application here: <https://www.smu.edu/simmons/Academics/Research>

Questions? Contact us!

For more information about this fellowship, please contact Dr. Leanne Ketterlin Geller ([lkgeller@smu.edu](mailto:lkgeller@smu.edu))

For more information about the Ph.D. program, contact Karen Milligan ([kmilligan@smu.edu](mailto:kmilligan@smu.edu))



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SCHOOL OF EDUCATION & HUMAN DEVELOPMENT

RESEARCH IN MATHEMATICS EDUCATION