Executive Summary
R2D2 Learners will improve science teaching in metro-Atlanta schools through the dissemination of science and technology professional development by students involved in the TEAM (Technology, Environment, And Math) Program housed in the Alonzo A. Crim Center for Urban Educational Excellence in the College of Education. The long term goal is the development of a program that will nurture effective inquiry-based science instruction in urban public schools in the metro-Atlanta area. During the grant period, the project will involve nine TEAM AmeriCorps members partnering with approximately 20 in-service teachers and 1000 elementary, middle, and high school students. Strategies for analysis of the program will involve both formative and summative evaluation. Formative evaluation will guide the development and associated redesign of the program. Summative evaluation, in contrast, will allow for the development of more comprehensive conclusions about the fidelity of the design and the influence of the program on students and teachers. The findings from the project will be disseminated through presentations at national and international conferences as well as through scholarly publications in peer-reviewed journals. Information regarding best practices in science education will be disseminated to partner schools by in-service teachers who have successfully completed the program.