The University of West Georgia (UWG) will offer a 50 hour, 5 PLU training for K-5 elementary teachers in 2017-2018. The workshop will provide training to improve teachers’ abilities to engage elementary students in the nature of science (NOS) processes used in scientific inquiry and problem solving procedures. The training will be distributed over 5 days (7 hours/day = 35 hours) in the summer, two full Saturdays during the school year (6 hours/day = 12 hours), and a final (3 hour) for poster presentations and final evaluations. This workshop is a renewal of programs offered by the same Co-PIs, most recently 2015-2016 and 2016-2017. The outcomes of the program are (1) Show improved knowledge of physical/earth/life sciences after planned experiences using the I.D.E.A. model to guide NOS and problem solving techniques. (2) show improved explanations of NOS processes and problem solving to facilitate student’s mastery of GSE Content/Characteristic of Science. (3) show increased confidence in their science conceptual knowledge, abilities to use GSE Science Co-Requisites, NOS and problem solving. (4) Teach at least one science lesson that engages K-5 students in NOS and problem solving and report the results, including student work. Assessment instruments to measure outcome include pre/post science concept tests, pre/post confidence surveys, and poster presentation.

Arts & Sciences Unit of Institute of Higher Education
University of West Georgia—Department of Chemistry

Unit of Institute of Higher Education that prepares teachers & principals
University of West Georgia—Leadership and Instruction

High Need LEA(s)
Fulton County