

**University of West Georgia**

**Application fo Energy Related Core Ideas and Practices Across Middle and  
Secondary Earth, Environmental, and Life Sciences**

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The University of West Georgia College of Science and Mathematics and the College of Education will offer a renewal 50 hour, 5 PLU course of 20 grades 6-12 teachers in the summer 2017 (5 days) and 2017-2018 (3 days). All of the training days will be conducted at Gordon State College School of Education, Barnesville, GA. Science teachers are encouraged to apply in teams of two or more. (Can include a special education teacher.) Focused on building teachers' understanding of energy concepts and renewable, clean energy sources, standards-based training will address use of Earth's physical, biological, earth, and environmental systems to meet energy needs now and in the future. Lessons will blend standards-based content, scientific practices, and literacy to connections with engineering, technology, mathematics, and the social sciences. Objectives include: 1) improved content knowledge of energy concepts and use of these in lessons incorporating scientific practices and application to real time situations. 2) increased implementation of research based instructional strategies to improve engagement of all students. Speakers, trips, and engineering projects will provide access to resources for career explorations and real time problem solving. Stipends, PLUs, and other benefits will be offered.

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

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

**High Need LEA(s)**  
Fulton County  
Henry County