Graduate Student Scientists in the Classroom: Sparking Interest in Science and Engineering



NSF RET in Engineering and Computer Science Site for Sustainable Polymer Engineering Research EEC-1406753

Sarah Morgan School of Polymers and High Performance Materials The University of Southern Mississippi

> James Brownlow Polymer Science 1 & 2 Hattiesburg High School

12 Years of Teacher-University Partnership



THE UNIVERSITY OF SOUTHERN MISSISSIPPI SCHOOL OF POLYMERS AND HIGH PERFORMANCE MATERIALS





College Graduation!



Grad students train teachers in the lab









Grad Student



Teacher



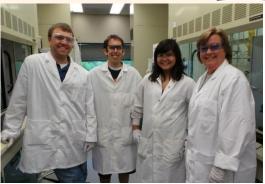
Teachers mentor grad students in the classroom

RET Impact: Summer \rightarrow School year

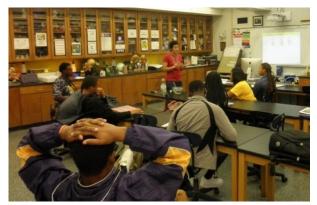




11 teachers 6 graduate students 6 faculty members



Classroom visits 2 - 3 classes, 2 semesters > 1000 students





Field trips to USM > 1000 students





MSTA presentations > 500 teachers

Annual Impact Over 2500

Teacher-Graduate Student Partnerships





Graduate students learn how to teach

Impact on Students: Building the Pipeline









