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

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12 Years of Teacher-University Partnership
Central Role of the Graduate Student

Grad students train teachers in the lab

Grad student

Teachers mentor grad students in the classroom

Teacher

After school and summer research

Science fair mentoring

College Graduation!

Engaging students

Science fair mentoring

College Graduation!
RET Impact: Summer → 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