The Rutgers Science Explorer (RSE) is a 40-foot, state-of-the-art, custom-designed mobile laboratory that brings exciting and innovative hands-on activities to schools and communities around the state of New Jersey. Rutgers graduate student fellows present students with real-life problems allowing students to explore career opportunities in STEM and participate in standards-based, hands-on activities. Through these interactions, our graduate students not only instill a greater appreciation for science but also initiate relationships with Rutgers University.

Along with our mobile laboratory program, the Rutgers Science Explorer also offers opportunities for schools, camps, and youth organizations to visit our state-of-the-art RSE Station located within the Math & Science Learning Center on Busch Campus. Here youth interact with our graduate fellows exploring hands-on activities and our on-site physics demonstrations.

**OUTCOMES (2006-2020)**

- **>47,000** students have performed an activity on the Rutgers Science Explorer
- **96** graduate fellows from 26 different departments at Rutgers
- Over **130** middle schools in **15** counties visited
- **40%** of communities visited are economically disadvantaged or underrepresented in STEM
- **68%** of the graduate fellows identify as non-white and/or female

**DRIVING INTO THE FUTURE**

The Rutgers Science Explorer helps me to develop science communication skills. The students motivate me to continue to learn more and teach others. - Graduate Fellow

Thanks for everything we got to see and do...The trip was spectacular! I hope I can go to college at Rutgers. - Middle School Student

I loved being at the Math and Science Learning Center; everything there just made me so curious and excited. - Middle School Student

Although my research at Rutgers will eventually benefit society, I look forward to my weekly ‘gigs’ with the bus because I receive an immediate and positive response to my work. - Graduate Fellow

The Rutgers Science Explorer extends the Rutgers' science community beyond the New Brunswick/Piscataway campus to schools and communities around the state of New Jersey. Rutgers graduate students in the fields of science, technology, engineering or mathematics (STEM) bring the spirit and substance of their research to middle school students, engaging them in hands-on, standards-based activities.

http://sciencebus.rutgers.edu