

BIOBUS



► **BioBus is an advanced science lab** located aboard a converted 1974 transit bus.

► **We partner with underserved schools** to offer students unique educational programs emphasizing the **joy of hands on discovery** and **science** as a viable & exciting career path.

*While notable progress has been made in bridging the gender gap in science, "the gap between white and minority students...remains significant."
~ National Science Foundation*



Dr. Ben Dubin-Thaler
Founder & Educational Director

“ BioBus gets students excited about science and teaches them to solve problems through logical thinking... I strongly believe that **developing broader representation** in the scientific community will directly result in better science.”

Dr. Dubin-Thaler holds a PhD in Biological Sciences from Columbia University. Seeing a great opportunity to energize the scientific community, he founded the BioBus in 2007 in lieu of a university teaching career.



A GREEN EDUCATION:

Students learn all about our **100% carbon neutral** facility, which runs on waste restaurant grease, solar panels and a wind turbine.

THE BIOBUS CURRICULUM

We offer two basic programs to pique the interest of both beginners and science buffs:

- ▶ **The Explorers:** One period basic introduction to science aboard the BioBus. Teachers choose from standards-based topics in biology, chemistry, earth sciences, and physics, including animal, plant and microbiology, evolution, energy, diffusion, suspensions, and mineralogy.
- ▶ **The Discoverers:** In-depth course building on the Explorers course, where students learn how to operate the microscopes, perform their own experiments, and practice scientific problem-solving skills.

All courses are led by Dr. Dubin-Thaler with the assistance of BioBus' experienced teaching staff, many of whom hold advanced science degrees.

In its first year, the BioBus traveled to 30 schools, museums and community centers. **Over 10,000 students** were given a hands-on introduction to the world of cell biology.

"The exciting adventure on the BioBus is the beginning of a **revolution in science education**. Students of all ages jump off the bus actually wondering how things work. That curiosity is what it's all about!"

~ Professor Jasna Brujic, New York University

"If my science class were like this, I'd come to school every day of the week!"

~ Manny, Dewitt Clinton High School, Bronx, New York

"A **bodacious lab on wheels....** offers valuable hands-on experience."

~ Daniel Beekman, Bronx Times

Upcoming BioBus Public Events

June 14 10 AM - 6 PM
World Science Festival
Washington Sq. Park
Manhattan

June 27 11 AM - 2 PM
Family Fishing Day
Harlem Meer, Central Park
Manhattan

July 12 11AM - 6 PM
City Sol @ Solar One
Stuyvesant Cove Park
Manhattan

Although BioBus travels the nation, the bus primarily operates in the New York metropolitan area.



BIOBUS

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