

# Dr. Ernest E. Just Youth Science Program



## STEM:

- Science
- Technology
- Engineering
- Math



Named after Dr. Ernest Everett Just, a pioneering African-American biologist, academic, and science writer who transcended the barriers faced by early twentieth century Black scholars, the program exposes youth to instruction and activities across a range of science, technology, engineering, and math (STEM) subjects and careers. Students receive lessons, demonstrations, and field exploration activities from qualified instructors and professional field practitioners. Youth explore the wonders of life, earth, and physical sciences in a variety of settings.

### Summer Marine Science Camp

- Classroom instruction led by Marine Science faculty from USC
- Field trips provide an opportunity to travel aboard a ship and learn about marine exploration
- Students perform field exploration activities, learn concepts in math (charting, use of graphs & probability), and science (scientific inquiry, interpretation, problem formulation, and reasoning)

### Saturday Science Academy

- Curriculum provided by Los Angeles Southwest College (LASC) science instructors, University of Southern California (USC) Marine Science faculty, and other STEM professionals
- Youth develop confidence in STEM disciplines while gaining access to STEM professionals and facilities
- Lessons are hands-on, inquiry-based, and augmented with a field trip providing students with real-world applications
- Subject matter includes: Aerospace Science, Architecture and Civil Engineering, Electrical Engineering, Human Anatomy, Computer Science, Energy Technology, Transportation Engineering, and Marine Biology.

Programs are open to Middle School students (Boys and Girls age 10-14) and are provided free of charge through strong corporate and foundation support, committed volunteers, and generous donations from many individuals.

You can make a difference in the life of a very deserving youth. The Bridge Builders Foundation is always seeking volunteers and sponsors. To support or join, visit [BridgeBuildersLA.org](http://BridgeBuildersLA.org) or call 888.355.0917