

# AQUATICS INTERNATIONAL

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## Honeywell Teachers for the 21st Century Equips Jersey City Teachers *6784*

In August 2007, Jersey City Public Schools' Board of Education, in partnership with Honeywell and Stevens Institute of Technology, announced the launch of *Honeywell Teachers for the 21st Century*, a new summer training pilot program for Jersey City middle school teachers. The program is

designed to energize the imagination and curiosity of their students and lead them to explore careers in science, technology, engineering and math.

### About the Program

The program is providing 14 middle school teachers with a training course to learn proven strategies that use technology-supported science curricula, combined with hands-on science investigations, to increase student interest and achievement in science. In addition to bolstering teachers' science content knowledge in physical science, earth science, and life science, the program will introduce teachers and students to the engineering design process and the application of science and mathematics to relevant, real-world engineering challenges. *Honeywell Teachers for the 21st Century* began with a one-week training course in July 2007 and will continue throughout the school year as teachers receive in-class support to assist them in implementing the new experiments.

Participating teachers and their students will investigate and learn to apply knowledge to topics as diverse as human genetics and the design of earthquake resistant structures. They will conduct a total of four real-world, multi-disciplinary science experiments throughout the school year, focusing on science and mathematical topics that require quantitative analysis, critical thinking, collaboration, and other 21st Century workforce skills.

The curriculum is also aligned with the New Jersey Core Curriculum Standards. Teachers will receive a stipend for participating, and have the option to apply for three graduate credits for successful completion of the program and associated assignments.