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HACKENSACK, NJ Newspaper (D) Stevens Institute of Technology

EDUCATION Seventh- and eighth-graders get their feet wet in robotics

By KAREN SUDOL STAFF WRITER

ALPINE - At first glance, the Alpine Public School science lab looks a bit like a play area.

tables and in plastic containers. A baby pool is filled in an adjoining greenhouse.

that way each Monday afternoon to teach a group of 20 seventh-

and eighth-A look will inside Education



The program, created by the floats," suggested Rosenstein. Stevens Institute of Technology in Hoboken, teaches students about balance, buoyancy and how gears and electrical circuits work, said Maureen McCann, who teaches the class with Rivka Rosenstein, a it, it breaks," joked Serko. science and math instructor.

design something and taking it and it glided across the pool in a

"It's this idea of having to work the bugs," she said.

On a recent Monday, the students, who already built their underwater vehicles, faced their first Legos are scattered on student test. Using combinations of Legos, propellers, gears, floats, elastic bands and battery packs, the vehicles had to motor quick-

Students Natasha Rosasco, 12, a seventh-grader, and Lianna graders what Serko, were clearly satisfied with it's like to their design. The vehicle, an-be an engi- chored with floats and rubber neer. Over bands, moved swiftly across the the next four pool in a straight line.

A few more tries though, and it

"Why now?" asked 13-yearand test un-derwater ro-was perfect before. We didn't botic vehi- change anything."

"Get the water out of the

The girls squeezed the floats dry and tried again with no luck. Further tests and a side of the vehicle broke off.

"Every time a person touches

The girls regrouped and made "They're figuring out how to adjustments. Another attempt

Eric Fox and Alexis Inguaggiathrough something and take out to's vehicle still wouldn't go straight despite two days of building and tweaking.

> Ten minutes before class ended, Fox, an eighth-grader, and seventh-grader Inguaggiato dismantled it. They would start from scratch the following week.

The students will be tested fur-The classroom is configured ly across the pool in a straight ther in the next few months. The vehicles will have to navigate an underwater slalom course, submerge and surface, grab balls underwater and place them in a net, said McCann.

The school is one of 33 in New Jersey and New York selected to participate in the institute's program. Tenafly High School is also participating.

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