



News from Baltimore

Honeywell Hometown Solutions deploys community initiatives in Baltimore that focus on the company's pillars of service: Science & Math Education, Housing & Shelter, Family Safety & Security, and Habitat & Conservation. With the collaboration of community groups and partner organizations, we teach middle school students that science can be fun through programs like FMA Live!, our partnership with NASA. Honeywell Educators @ Space Academy gives teachers in Baltimore the opportunity to apply for scholarships to spend one week at the U.S. Space & Rocket Center in Huntsville, Alabama. We also partner with Living Classrooms to enhance student achievement in science and math while providing environmental awareness and with Rebuilding Together Baltimore to give families warmer and drier homes in the Turner Station community.

From Hands-on Science to Space Training Honeywell's Summer Math and Science Programs Help Teachers and Students Learn Outside the Classroom

Maryland Teachers Have Experience of a Lifetime at Honeywell Educators @ Space Academy at the U.S. Space & Rocket Center

This summer, five Baltimore area middle school math and science teachers returned from a weeklong learning adventure through *Honeywell Educators @ Space Academy (HESA)* at the U.S. Space & Rocket Center in Huntsville, Alabama. An additional five teachers from across Maryland joined the group along with nearly 200 educators from 27 countries and 43 states.

The training was rigorous from the start as teachers took on astronaut-style exercises like high-performance jet simulation, scenario-based space mission, land and water survival training, and interactive flight dynamics programs.



Maryland educators pose in their flight suits at the U.S. Space & Rocket Center during *Honeywell Educators @ Space Academy*.

Teachers from Baltimore represented Baltimore Polytechnic Institute, General John Stricker Middle School, Roland Park Middle School and Old Court Middle School.

"It was an amazing experience. It made many of us feel like, 'Gee, maybe we missed our calling to be an astronaut.' I think that's the way everybody feels

Honeywell Institute for Ecosystems Education



More than 70 gifted and talented students, grades 6-10, worked alongside top scientists and researchers collecting and analyzing data on the health of the Chesapeake Bay during *Honeywell Institute for Ecosystems Education*. The two-week summer program was hosted by Honeywell and held at the University of Maryland Center for Environmental Science's Horn Point Laboratory in Cambridge, Maryland.

Maryland Delegate Adelaide "Addie" Eckhart, a longtime advocate for education and the environment, praised the students and 15 teachers for their participation in local conservation efforts. "The Chesapeake Bay is an integral part of our community's well being, and we thank Honeywell for their ongoing commitment to our students, teachers and community," she said.

"This is a one-of-a-kind professional development program," said Lisa Antunes, a science teacher from Deep Creek Middle School in Baltimore County. "I plan to reinvent my teaching to become more student-driven, bring students outdoors to investigate their world and make connections that will inspire them to

when they come away from it, that you really see the possibilities of where science, math, and engineering instruction can take you," said Mount Airy Middle School teacher Kelley Smith.



David Hong, General John Sticker Middle School, takes a seat in the Command Center during a simulated flight.



Roxan Banzon, Baltimore Polytechnic Institute, directs a simulated space shuttle mission.

"This program is all about re-igniting passion in teachers," said Tom Buckmaster, president of Honeywell Hometown Solutions, the company's global citizenship initiative responsible for HESA. "STEM subjects are some of the most challenging to teach, but this experience helps teachers discover new ways of delivering lesson plans to the next generation of engineers, programmers, mathematicians and astronauts."

This year, HESA celebrates its 10th anniversary. Over the past decade, HESA has awarded scholarships to 2,176 teachers from 55 countries and 52 U.S. states and territories, including 120 teachers from Baltimore since 2008. These teachers have continued to leverage their experiences at HESA at an exponential rate over the past 10 years, reaching more than two million students around the globe.

solve environmental problems in the future. I am confident that this teaching technique will have a ripple effect that will inspire hundreds of my students to become our next-generation biologists, physicists and soil engineers," Antunes added.

Harbor Point Construction Progress



Construction began this spring on the Exelon Tower and Central Plaza garage at Harbor Point, which will house the headquarters for Exelon's Constellation business unit plus Exelon's trading floor. Beatty Development Group is the developer of the Harbor Point site, which is currently slated for three million square feet of mixed-use development. In addition to the Exelon Tower, Harbor Point plans include hotels, retail, residential, office space and parking as well as 9.5 acres of open green space and a public waterfront promenade. The estimated \$1 billion+ project is expected to generate an estimated 7,175 construction jobs and 6,611 permanent jobs. (Source: Baltimore Development Corp., June 2013).

The U.S. Environmental Protection Agency (EPA) and the Maryland Department of the Environment (MDE) approved detailed design and air monitoring plans for the construction of the Exelon project. The plans, including operating procedures, are overseen by both agencies, ensuring that construction is performed in a way that protects human health, the environment, and the existing remedy at Honeywell's former manufacturing site.

Dundalk Marine Terminal Remedy

Dundalk Area Students Investigate Ecosystems and the Health of the Chesapeake Bay



In July, *Honeywell Adventures in Environmental Leadership* sponsored a trip for 31 students from Sollers Point Multi Purpose Center to Masonville Cove, where they explored habitat and conducted hands-on science experiments. Living Classrooms instructors led the students on a nature walk, where they learned about native plants and marine life that help make up a healthy watershed and ecosystem. Acting as field scientists, the students learned how to test water to determine its ability to sustain life for tadpoles and worms.



The Masonville Cove Environmental Education Center is the centerpiece of stewardship projects created by Maryland Port Administration (MPA) to balance environmental losses as a result of the Masonville dredged material placement site. The center hosts environmental education programs for local residents and schoolchildren, supported by MPA. Additional projects include 54 acres of cleaned-up wetlands, nature trails and a protected bird sanctuary.

Progress

Two years ago, MDE announced its selection of the final remedy to address Chrome Ore Processing Residue at the Dundalk Marine Terminal. Progress continues on the implementation of the remedy.

Stormwater at the Terminal is managed through underground storm drains that collect and convey stormwater through outfalls to the Patapsco River. Over the years the storm drains became damaged, allowing groundwater containing hexavalent chromium to enter them. Relining and repairing the storm drains is the major focus of the remedy.

Almost three miles of storm drains have already been relined or replaced. Rehabilitation of the largest one, the 15th Street storm drain, is currently underway. Sampling of the 13th Street storm drain, one of the first to be relined and repaired, has demonstrated the effectiveness of the relining approach.

Other significant components of the remedy include inspecting and repaving surface cover using new and improved methods and developing a Performance Management Program to monitor the corrective measures.

A Community Working Group, formed by MPA and Honeywell, monitors the work being done at the Terminal under a Consent Decree among MPA, Honeywell and MDE. For more information please contact Sibyl Dinkins at 410-869-2811.



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