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For Immediate Release:



Garden City High School's Science Research Program Steps into the 21st Century Thanks to GCFS!

The science research room at Garden City High School received a generous upgrade donation courtesy of the Garden City Friends of STEM (GCFS). Pictured here are science research student Cyrus Lalehzar and science research teacher Dr. Steven Gordon with the Affinia H400, one new piece of equipment funded by GCFS as part of a science research grant for \$2,500 that was approved by Garden City's Board of Education. The grant money has been used to boost student projects incorporating 3D printing, electronics, coding, and biology and chemistry.

One of the first new prints on the Affinia H400 models was the Open Microfluidic Inquiry System (OMIS). The engineering invention uses stepper motors and reduction gears to inject precise amounts of liquid into a "lab on a chip." The chip can be used to study the mixing of polar and nonpolar fluids, or the migration of single-cell organisms

such as paramecium. High-resolution printing is necessary to form accurate channels in the lab on a chip.

Also funded by GCFS was a 3D scanner, which gives students the ability to let their imagination recreate a multitude of scientific components. “This is a huge boost to our science research program, and it has already expanded the possibilities for student projects,” said Dr. Gordon. “Thank you Garden City Friends of STEM for contributing to a state of the art science research space for our high school students!” added Dr. Elena Cascio, science curriculum coordinator.

Dr. Gordon and his students will be presenting a talk about their STEM projects and the exciting competitions in which they participated as part of the science research program. The presentation is part of the STEM talk series sponsored by the Garden City Friends of STEM and will be held at the Garden City Library on April 5th at 7:30 pm.