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It Pays To Know Your Community 50¢ Section A of two sections • VOL. 33 NO. 43

Ocal school wows NASA

By Kelly J. Stigliano, Correspondent

ORANGE PARK-Students at one local be launched aboard a NASA spacecraft my hosted a press conference to present academy drew attention Thursday, Oct. the first working prototype bioreactor to 14 when Orange Park Christian Acade-

what they might want to do in their careers. this company they want a chance to explore get to choose which track or what part of science teacher. "What's unique...is the kids have done," said Kevin Simmons, an OPCA "I'm just really proud of what the kids

known today as Tekna-Theos, Inc. students and together they began what is space shuttle. Io do that, he rallied with six bioreactor traveling on board a NASA goal in mind - to introduce the idea of a teacher at the school, began 2001 with a Simmons, a space-loving science

sons and "Theos" meaning God. spired by the Greek word Tekna" meaning hight against osteoporosis. Its name was inments into space that could help with the ing, building, testing and flying experia non-profit company centered on designthan 20 students who run the program, is The company, which now boasts more

As part of the project, a "mid-deck"

trying to find an answer to bone degenerstudy their affects on the bone cells. While wafers" into which bone cells from a rats manned space Hights, it will also help with tematically fed by pumps into the waters to various nutrients and drugs will be sysskull will have been injected. Small bags of the spacecraft and will support 30 "cell the treatment of osteoporosis on earth. locker will house the bioreactor onboard ation will be instrumental in further

students' findings. were willing to give their views about the contractors representing the University of California Irvine Greg Jenkins and Paula Davis attended the press conference and Stearns Sherrie Porter as well as NASA District Aide to Congressman Cliff

have worked with engineers who have been very intelligent questions," Jenkins said. "I less motivated than some of these kids." "These students have asked me some

NASA engineers such as Jenkins testing mer in Huntsville working alongside students' enthusiasm, manages an engivolved in the club spent part of the sum-Space Flight Center. Last year, students inhas successfully developed 18 space flight neering group from Huntsville, Ala, that payloads in support of NASA's Marshall Jenkins, who was impressed with the

hypothesis and perfecting their product.

worked together for 13 years and agree that terest in this project. She and Jenkins have Tekna-Theos has a good concept. Davis, a software designer, has a keen in-

they were awarded a FSGC grant for \$15,000 cational programs," Jenkins said. This was Grant Consortium (FSGC). Again in 2004 for \$18,640 awarded by the Florida Space the first high school ever to receive a grant proven in 2003 when Tekna-Theos Inc. was "NASA is interested in advancing edu-

engineers. The exposure the students have to the fields of engineering, science, busidents opportunities to work with NASA ter in Huntsville have afforded the stuness and marketing is staggering. Trips to the Marshall Space Flight Cen-

bility of life on Mars. younger students are exploring the possioping within Tekna-Theos. Some of the There is another area of interest devel-

support higher forms of life. on Mars, an earth-like atmosphere might oxygen. If enough plants could be grown dioxide during photosynthesis to produce carbon dioxide and plants use carbon idea that while the air on Mars is 95 percent "Terra-forming on Mars" considers the

Draughon are pouring over botany books Currently, Dylon Hall and Robyn

> ber, one of Tekna-Theos' future projects pressure on Mars. would then be tested in a hypobaric chamhigh mountains and in deserts. Such plants to see which plants survive at the tops of which would simulate the atmospheric

natheos.org. Theos, Inc. or its projects, visit tek-For more information about Tekna-