

DoD

STARBASE 2.0

A Department of Defense Youth Program

2010–2011 Program Continues

The Wright– Patt STARBASE 2.0 after-school mentoring program has now reached the halfway point in the school year.

STARBASE 2.0 teams have spent the last eight meetings developing as units. Each group of 9 to 10 students and three mentors have used Team Exploration activities, goal setting exercises, and Science, Technology, Engineering, and Math (STEM) explorations to achieve this.

In December, teams were involved in a STEM Career Exploration meeting. Rotating around various locations within Spinning Hills Middle School, students participated in

exercises of structural engineering, physic phenomenon, and STEM career web quests. Speaking to the teams about STEM opportunities was Colonel Ronald Stauffer, an Aerospace Engineer from Wright-Patterson Air Force Base.

Students are currently working on their LEGO robotics project. After visiting the FIRST LEGO League (FLL) robotics regional tournament at Wright State University, students and mentors were prepared to begin their own journey. In small sub groups, teams built EduBots and added touch and ultra sonic sensors.

During the second ses-

sion in January, teams were fortunate to receive training from the Brickheads, a FIRST LEGO League Ambassador Team. The Brickheads are comprised of 9 to 14 year old members, who have won numerous awards and are experienced in teaching others about the logistics of LEGO robots.

Meetings will continue twice a month through May. Events will include an in-house robotics competition, a derby car race, and an end of year celebration.



The Purple Pizza Eaters are amazed by the mystery of Helium Hoop.



The Peeps investigate the LEGO "Pit."



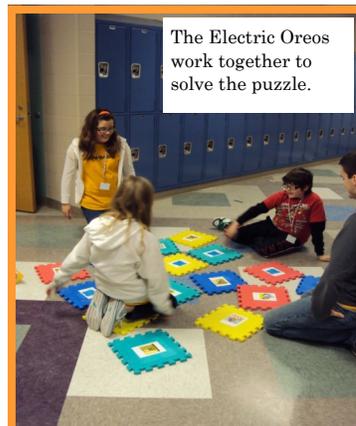
A Brickhead member explains robotic programming.



The Little Green People learn about LEGO Robotics



Two members of the Kitty Hawks assemble an EduBot



The Electric Oreos work together to solve the puzzle.

Questions & Comments: Kim Egbert– Mentor Coordinator
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