

# New S.T.E.M.M. Offerings at St. Wendelin



► Science, Technology, Engineering, Math and Medical (S.T.E.M.M.) are being enhanced at St. Wendelin. Sixth and seventh graders have been building robots and recently started to program them to complete a task. The crews meet during lunch and homeroom on even Tuesdays, Wednesdays and Thursdays. The team names are The Red Branch (7<sup>th</sup> grade), Lego Aliens, Bot Boys, and Wallis, (6<sup>th</sup> grade). The first task the crews had to accomplish was to program the

robot to move a specified distance. A battery was placed on a table sitting upright. The robot closest to the battery without knocking it over won the contest.

The young ladies (pictured right) won the first round stopping only 8mm from the target. There were three target distances programmed into the robot and teams did not know which target to use until informed by Mr. Ron Bowerman.



Senior Physics students will be working with robotics in the spring. Stop by and visit us! Lego Education recently donated two \$300 robot kits to the school and St. Wendelin purchased a kit last year.

Other S.T.E.M.M. offerings past and present include building an airplane, which was completed in the spring of 2011 and will be sent to Kenya this spring or early summer. Prior to leaving for Kenya, in flight Biomedical and Physics data will be

collected. These computer based Vernier peripheral probe experiments are open to all grades.

The Physics class will be building, installing and testing an electric wind generator this spring. Mr. Camm's Environmental Science class will be using handheld Lab Quest electronic devices to test various water parameters in the west branch of The Portage River.

If you have questions about any of these programs, call Mr. Bowerman at 419-435-8144, ext. 1105, or e-mail [ron.bowerman@stwendelin.org](mailto:ron.bowerman@stwendelin.org).

