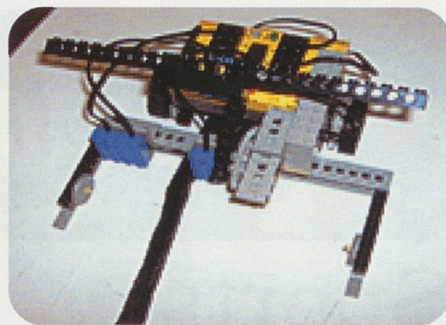


★ ★ Engineering Club / Robotics ★ ★

By: Kyle Spicer



This robot was taken to all four competitions. It lost the first competition but won the other three. He made it through the obstacle course without any errors.



Tony Semones, 11, takes a nap after a long morning of working on a powerpoint for that class. Powerpoints were an important part of robotics class. Although the class works with robots, they do computer activities too.

You may have seen Lego or wood robots with little motors running around the hallway every fifth bell. That class was a mysterious class taught by **Mr. Mel Hoffert**.

Although many people had never heard of it, it was a big thing, winning many competitions at tournaments such as one at the Miami University and another at the University of Cincinnati.

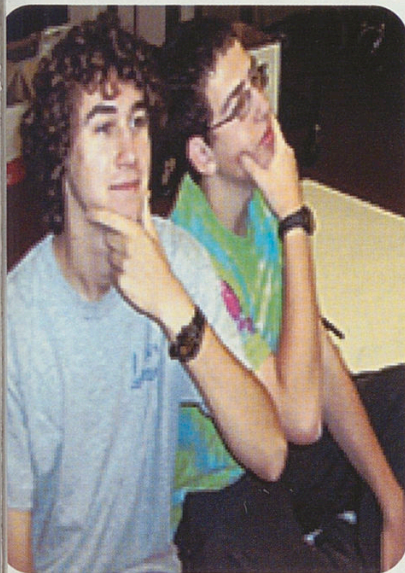
"At the University of Cincinnati competition, the students were expected to construct a robot which is mechanical and electrical in its technology, but has no elements of computer

programming in it," said **Aaron Friedman, 12**.

The students used a brick, which is a type of memory motor that the students program, to make the object that they had created move.

They put the robots through courses that had many obstacles in them. The robots then had to use the memory (bricks), to know how to get over the obstacles.

"The robots had to go through a sumo-wrestler simulation. There were two robots and one of the robots had to push the other robot out of the circle. Whoever pushed the other robot out, won," said **Zeyad Schwen, 12**.



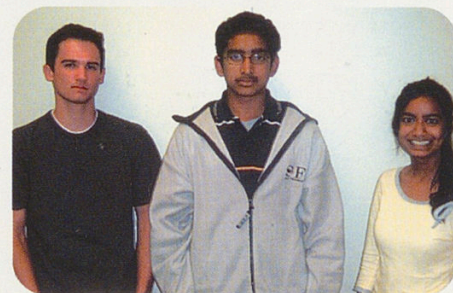
Alton Lee, 12, and Adam Bahir, 12, ponder which code to program into their brick. Both of these boys were key in the success of all their competitions. At their last competition at Miami University, they won hands down.

★ ★ JETS ★ ★

By: Kelsey Kiley



"I felt that it was an extremely fun and challenging experience. It taught me a lot about team work, and overall I realized there is still so much material that I have yet to learn," said **Amber D'Sousza, 12**.



"JETS was an amazing experience at UC, where we got to apply what we learned about engineering to real life!" said **Tasneem Kaleem, 11**, with **Jeff Domas, 11**, and **Abhijeet Gummadavelli, 11**, agreeing.

The problems that the students were charged with solving were quite challenging and often involved topics and subjects that the students had not been exposed to yet.

Problem solving skills and working cooperatively were vital to success in the competition for members of JETS.

"I really learned how to work well with others," said **Jeff Domas, 11**.

JETS? Competition? Say what? Junior Engineering Technical Society. The competition is the Test of Engineering Aptitude in Math and Science.

The students prepared for a regional competition at the University of Cincinnati on February 24. The test involved solving college level engineering problems.

There were six to eight students on each team and they worked together for 90 minutes to solve the problems.

In each of the last four years, one of our teams has been second

in the regional competition.

Student members were selected via teacher recommendation, and led by **Ms. Julie Haverkos**. They met on a weekly basis to work together and solve practice problems.

Senior team members were: **Shriya Ragahavan, Sara Rashkin, Jeff Andrews, Adam Bahir, Alton Lee, Amber D'Souza, and Mimi Kao**.

"JETS gives you a chance to apply what you've learned to a real life situation," said **Andrews**.

Junior team members were: **Patricia Troy, Claire Mondro, Alice Jones, Tasneem Kaleem, Steven Barbian, Josh Lee, Abhijeet Gummadavelli, and Jeff Domas**.

As a culmination of the year, the junior class team competed in TEAMS (Test of Engineering Aptitude in Math and Science), and received a second place regional finish.



Claire Mondro, 11, and Patricia Troy, 11, were very proud of the junior team's second place finish. "We didn't know what it was going to be like, we went into it very relaxed, and it was fun. The problems were hard, but we had practiced," said **Mondro**.