

JAGUAR F1 TEAM IN SCHOOLS CAD/CAM DESIGN CHALLENGE

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Jaguar F1 Team in Schools Announces Winners

Middle and high school students compete in the inaugural CAD/CAM Design Challenge

Top middle and high school students were recognized for success in the inaugural Jaguar F1 Team in Schools CAD/CAM Design Challenge that was part of the National TSA 26th Anniversary Conference in Nashville, Tennessee, June 21-24.

Students had the engineering opportunity of a lifetime: designing, building, and racing their very own model Formula One (F1) racecars. Denford, Pitsco, Jaguar, and BAE Systems – in cooperation with the Technology Student Association (TSA), UGS, and Pathtrace – presented the design challenge.

Fifteen middle and high school teams composed of no more than six members each designed, analyzed, made, and tested their F1 racecars. In the middle school division, the first-place prize went to Euclid Middle School, Colorado; second-place prize was awarded to Stillwater Junior High School, Oklahoma; third-place prize went to Sleepy Hill Middle School, Florida. In addition, Bloomsburg High School, Pennsylvania, was the top winner in the high school division; second place was awarded to Morgantown High School, West Virginia; and third place was awarded to Littleton High School, Colorado.

Winners of the Judges' Choice awards were: Bloomsburg High School, Pennsylvania, first place; Littleton High School, Colorado, second place; and Euclid Middle School, third place. The winner for the overall fastest car was Sleepy Hill Middle School, Florida.

Judging was based on safety, aerodynamics, engineering, aesthetics, quality and manufacture, race time, and presentation. Students also created a portfolio and gave an oral presentation of their work to a panel of judges.

Bloomsburg High School, Pennsylvania, will represent the United States in Birmingham, England, in October 2004, at the very first international finals round of the Jaguar F1 Team in Schools CAD/CAM Design Challenge.

Jaguar F1 Team in Schools competitions have attracted more than 20,000 students in England and are rapidly gaining an international foothold. The design challenge was initiated in the United Kingdom to raise student awareness of careers in engineering. After a successful start in the UK, South Africa, Australia, and Asia, sponsors chose to emphasize engineering careers to U.S. students as well.

Denford, Pitsco, Jaguar, and BAE Systems unite with UGS and Pathtrace to introduce students to industry-standard software and equipment that helps them make informed engineering career choices. TSA students work with CAD/CAM software as they follow specific guidelines while constructing their F1 model racecars. Students create a 3-D prototype as they progress through design, manufacture, assembly, testing, and racing. They design everything from the car body to the wheels and axles, and they assemble the components after generating drawings of the racecars. CO₂ cartridges provide the power during the races and are distributed at the events.

For more information about the Jaguar F1 Team in Schools CAD/Cam Design Challenge, visit www.f1inschools.us.

