PLTW Engineering Design and Development (EDD) Competition and PLTW Showcase

Wednesday, May 12, 2010
3:30 – 5:00 pm
Wichita State University
Engineering Research Laboratory Building Lobby

On May 12, 2010, Wichita State University's College of Engineering will host the fourth annual Engineering Design and Development (EDD) Scholarship competition! The competition, for students in the Project Lead The Way pre-engineering program, is part of students’ capstone course, “Engineering Design and Development,” where students work in teams to develop a solution to an open-ended engineering problem. Students’ poster exhibits, showcasing their projects, will be on display and students will be present to provide overviews and answer questions about their research.

Projects will be judged based on:
• Problem selection and research
• Project construction
• Testing, real data and conclusions
• Poster presentation

WSU will award a $2,000 PLTW scholarship to each first place team member; $1000 to each second place team member; and $500 to each third place team member who enrolls in one of WSU’s College of Engineering programs in Fall 2010. These scholarships are renewable for four years if students show adequate progress toward an engineering degree at WSU, and participate in the GEEKS Tutoring Program. These scholarships are in addition to other scholarship offers from WSU.

NEW in 2010 -- PLTW Showcase
At the same time as the EDD Competition, students from other PLTW classes are invited to display their “best” project from a PLTW class. These can be individual or team entries (up to 4 students per team).
Submission categories are:
• Introduction to Engineering Design - Best project completed in IED class
• Principles of Engineering - Marble sorter
• Specialty Courses including Aerospace Engineering, Biotechnical Engineering, Civil Engineering and Architecture, Computer Integrated Manufacturing, and Digital Electronics - Best project completed
• Gateway to Technology (GTT) for middle school students - Best project in GTT class

The winners in each category will receive $50 gift certificates (up to 4 per team). As funds are available, second place winners may also be eligible for prizes. Students may enter projects in two categories and be eligible for prizes.

To enter, a team must complete an online submission form and a one-paragraph description of their project. Entries must be received no later than April 30, 2010. Space is limited. Submissions received before April 15 will be given priority.

For more information, visit the PLTW Kansas website, www.wichita.edu/pltw
Or contact Karen Reynolds, karen.reynolds@wichita.edu