



EPISCOPAL  
HIGH SCHOOL  
of JACKSONVILLE

Contact: Amelia P. Smith  
Director of Communications  
Episcopal High School of Jacksonville  
(904) 396.5751, ext. 1110  
[Smitha@episcopalhigh.org](mailto:Smitha@episcopalhigh.org)  
[www.episcopalhigh.org](http://www.episcopalhigh.org)

## Morgan Monroe '11 Named Discovery Scientist Semifinalist

August 29, 2007 – Episcopal High School of Jacksonville student Morgan Monroe has been selected as one of 400 semifinalists for the 2007 Discovery Channel Young Scientist Challenge (DCYSC) for her project titled "Essential Oils as an Alternate Energy Source: Comparing the Oil Yield vs. the Heat Value of Plant Oils." This project gave Morgan the opportunity to work in a local university laboratory extracting oil from plant biomass. A bomb calorimeter was used to determine the amount of energy that could be obtained from the extracted oil. She then compared the amount of energy obtained from the oil to the amount of energy from the plant to determine which would be best as an alternative energy source. Morgan also won first place in the category of chemistry at the regional and state science fairs last spring.

In the ninth year of the DCYSC, there were over 7,000 students who won a DCYSC nomination at their local, regional or state fair, where they received a lapel pin, a certificate and a chance to enter the national competition by completing a written entry form. DCYSC received 1,960 entries from 269 affiliated fairs representing 47 states, the District of Columbia and Puerto Rico.

From this group of 400 semifinalists, 40 finalists will be chosen to attend an all-expense-paid trip to Washington, DC, October 20-24, 2007, to compete in science challenges. The 40 finalists will compete for discretionary experiential awards and over \$40,000 in scholarship monies, with the top student winning a \$20,000 scholarship. Finalists will be announced on September 12, 2007.

For more information about the Discovery Channel Young Scientist Challenge program, please visit [www.sciserv.org/dcysc/](http://www.sciserv.org/dcysc/).

###

*The mission of Episcopal High School is to provide a superior college-preparatory education in an environment marked by high expectation, Christian nurture and social diversity. Through a balanced program of academics, arts and athletics, Episcopal's faculty seeks to instill in each student intellectual growth, character development, responsible leadership and a commitment to community service.*