



**US Army Corps  
of Engineers®**  
Jacksonville District

# NEWS RELEASE

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P.O. Box 4970 Jacksonville, FL 32232-0019

Contact: Nanciann Regalado, CCO  
Phone: 904-232-2236 FAX: 904-232-2237  
Email: nanciann.e.regalado@saj02.usace.army.mil

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*FOR IMMEDIATE RELEASE*

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## **High school students visit U.S. Army Corps of Engineers to demonstrate engineering skills and apply real life application**

Jacksonville, Fla. – More than 50 high school students from Duval, Nassau, St. Johns and Clay Counties will attend an Engineering Career Day event and project competition, hosted by the U.S. Army Corps of Engineers, Jacksonville District, on Fri., Feb. 23. The event, co-sponsored by the Corps and the Society of American Military Engineers, Jacksonville Post, begins at 8:30 a.m. at the district headquarters, 701 San Marco Boulevard, Jacksonville.

Students will arrive at the event in teams that have designed and built a model wood bridge. Their projects will then be placed in a wave tank and subjected to simulated loads and storms of progressively larger impact. Engineers design bridges and other structures to withstand anticipated probable loads. The project demonstrates the behavior of a bridge when subjected to catastrophic conditions such as hurricanes.

A second, spontaneous design/build problem, in which the students will build an artificial reef to protect their beach from wave action, will be given to the teams to complete on site.

Awards will be presented after judging by a panel that includes the director of the School of Engineering at the University of North Florida, chairman of the Department of Civil and Coastal Engineering at the University of Florida, president of Civil Services, Inc., chairman and CEO of Taylor Engineering, Inc. and several local engineering firms and senior military engineers.



For security purposes, media representatives who plan to attend must notify Amanda Ellison (904-232-1576 or cell 904-614-2240) by 8:00 a.m. Friday, and will be required to present credentials at the door.

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