

The Experience

Our Engineering students begin the academy experience in the ninth grade by learning to build, design, and program intelligent robots. From



there they master computer applications such as power point, spreadsheet, and desktop publishing before tackling AutoCAD, C++, and Java in subsequent grades. They also learn how all digital and electronic devices work including cell phones, mp3 players, digital cameras, internet communications,

electronic musical instruments and modern computers of all speeds and sizes.

In Sparkman's Engineering Academy, students learn Precalculus by mastering MatLab computer software and are afforded the opportunity to take AP Chemistry, AP Calculus, and AP Physics. But it's more than academics. Through engineering design projects, students are given the chance to be creative and explore possibilities before achieving original feats of engineering and design that they construct themselves.

And most importantly, the engineering academy experience takes them from the classroom to the real world of engineering through field trips to University Engineering Events and Competitions as well as to some of the most high tech industry in the country.

Partners in Education

Special thanks to the
University of Alabama-Huntsville
Department of Engineering

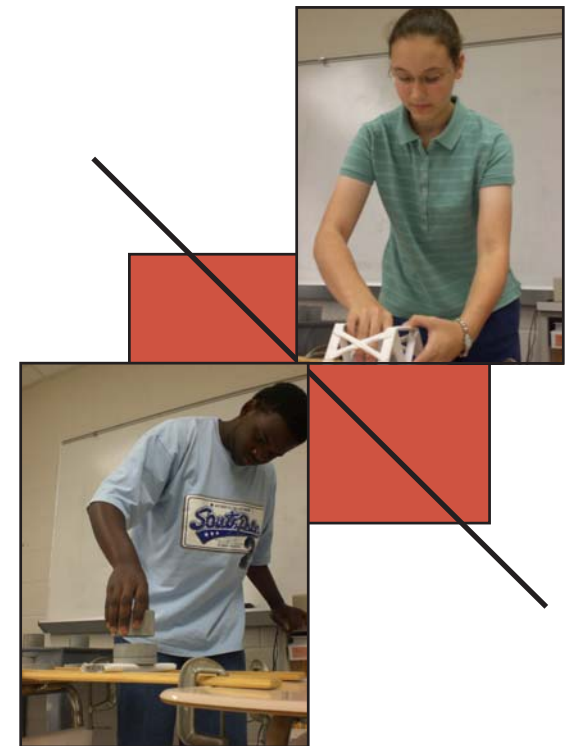


The Sparkman Engineering Academy experience culminates with a senior level design project and the chance to intern with one of the area's finest engineering companies or governmental entities such as Boeing, Adtran, NASA, US Army Space and Missile Defense Command, Northrop Grumman and others.

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Sparkman Engineering Academy



Bridging Education to the Future