OUR PURPOSE

The AOIT offers students a value-added program to enrich and complement the traditional high school experience. Students develop marketable technology skills embedded in their coursework, and prepare themselves for the industry certifications, postsecondary degrees and careers needed in this high-wage, high-skill career field. Information Technologyis everywhere, and our digital workforce must be prepared to do IT all, do IT well, and do IT proud!

**NORTHEAST HIGH SCHOOL
ACADEMY OF INFORMATION TECHNOLOGY**

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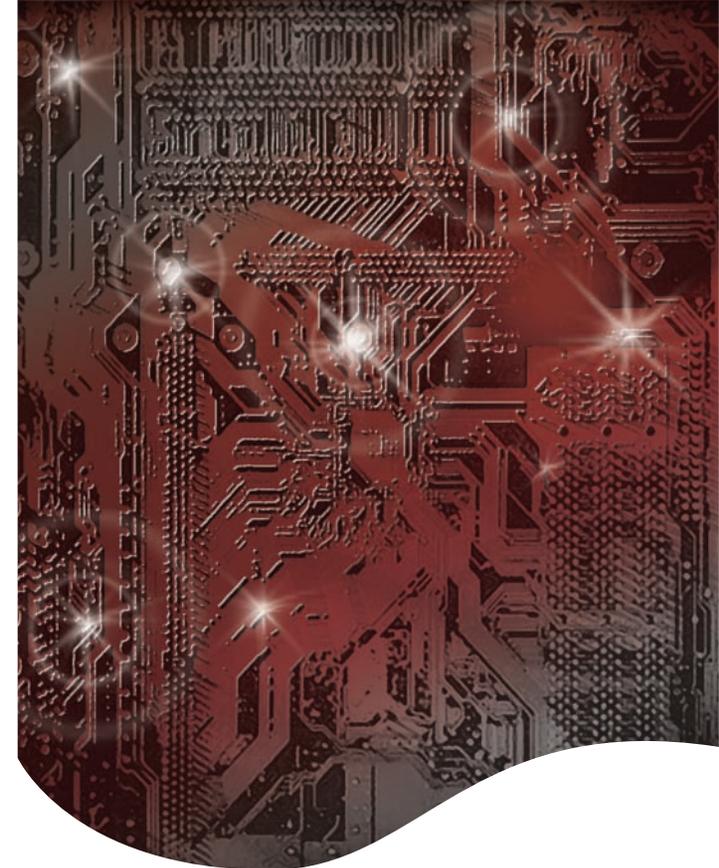
www.northeast-hs.pinellas.k12.fl.us

PINELLAS COUNTY SCHOOLS

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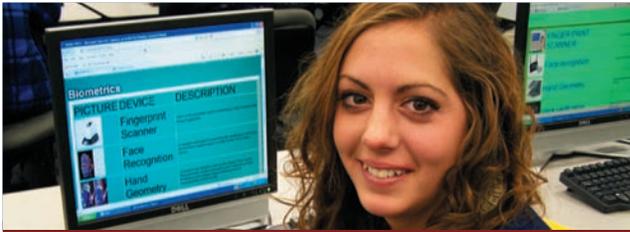
Academy of Information Technology
NORTHEAST HIGH SCHOOL

**ACADEMY OF
INFORMATION TECHNOLOGY**

@it

CAREER ACADEMY

program of study

OUR PROGRAM

The Academy of Information Technology (AOIT) at Northeast High School combines hands-on technical training, academic course integration and project-based learning in order to respond to the need for a well-qualified, highly technical, analytical and educated local workforce. Students fulfill college entrance requirements in addition to learning work-related IT skills.

THE CURRICULUM

Upon entering the AOIT, students take introductory courses that include computer application skills including computer keyboarding, Microsoft Office software applications (word processing, spreadsheet, database, presentation and desktop publishing), e-mail, Internet browser applications, and exploration of information technology careers. Classroom projects incorporate a range of additional software applications including Microsoft PhotoStory and Visio and Adobe Dreamweaver, Fireworks and Flash.

As students progress in the series of courses offered by the program, they earn quality points for the next classes:

- Technical Support/Networking: experience working with PCs, laptops and networks; troubleshooting and diagnostic techniques, repair, basic network concepts, system support, operations and maintenance.

- Programming/Database: Structured programming concepts using Scheme and Visual Basic, basic concepts of relational database engines and the tools to use them, database design and construction using Access and SQL.

- Web/Digital Media: Creating and coding web pages using Adobe Creative Suites Dreamweaver, Photoshop and Flash, HTML and CSS, multimedia projects combining student creativity with audio, video, graphics and animation tools.

Incorporated in all courses are strategies for success including goal setting, study skills, organizing skills, learning styles, employability skills, and service learning; and core academic skills with a strong emphasis on effective communication skills. Throughout the program, students build a portfolio containing work samples demonstrating the transferable skills they have achieved toward an IT career.

Qualified students may sit for exams to obtain industry certifications in Microsoft, COMPTIA and Adobe applications. Students may become eligible for Bright Futures/Gold Seal scholarships and/or a paid internship.

BUSINESS PARTNERS

AOIT business partners enhance the program by bringing their expertise into the classroom, as speakers, mentors, consultants and guest teachers for hands-on labs and seminars. They provide opportunities for field trips, job shadowing, conferences and internships. Students also participate in Junior Achievement and Future Business Leaders of America programs. The AOIT is affiliated with NAF, the National Academy Foundation.