



Academy business partners provide student internships, job shadowing opportunities, and a number of other supports to the program.

The Internship Experience

In the summer of their junior year, all qualified students participate in internships with area businesses in the field of information technology. In addition to earning valuable real-world experience, internships can serve as a key element of a solid college application. During the 2014-2015 academic year students participated in a summer internship at Spaywar.

AoIT



Image courtesy of khunaspix at FreeDigitalPhotos.net

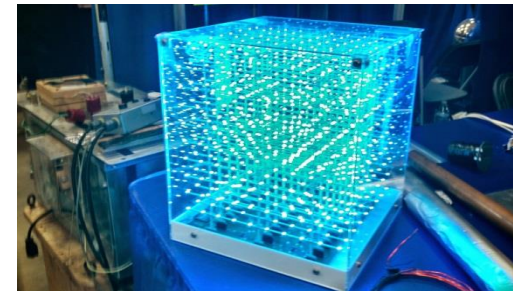
Academy of Information Technology

THE FUTURE IS HERE!

Phone: (619) 476-4276

WHAT IS THE ACADEMY OF INFORMATION TECHNOLOGY?

The Academy of Information Technology is an outstanding program for students at Hilltop High School. We want to enhance their high school career with a “real world” experience. The Academy features a dynamic cluster of elective and core academic courses that focus on one of the world’s fastest-growing industries: Information Technology.



High Tech Fair.

UNIQUE OPPORTUNITIES

The Academy of Information Technology provides students with unique opportunities that give them a head start on college and careers:

- Preparation for college and work
- Interesting courses and teachers
- Hands-on projects that matter
- Summer and school-year internships
- Practical experience in the business world
- A caring learning community

ACADEMY OF INFORMATION TECHNOLOGY MISSION STATEMENT

The Hilltop High School Academy of Information Technology seeks to prepare students for college, work, and citizenship through rigorous and engaging projects that connect to real issues in the information technology industry.

The Academy of Information Technology seeks to join with our business partners to become the premier Information Technology academy in the nation.



Senior Trip to San Francisco



JOIN THE ACADEMY OF INFORMATION TECHNOLOGY!

The Academy of Information Technology is more than a set of elective courses. It's a team of dedicated teachers and students who work together on real-world projects such as:

- Regular field trips to local businesses
- Summer Internships for juniors
- Student leadership opportunities

INFORMATION TECHNOLOGY A HOT CAREER FIELD

The Information Technology industry includes many different potential career areas:

- Computer Science
- Entry Level Drafter
- Autodesk Inventor Certified User
- Autodesk Revit Architecture Certified User
- Web Designer



ACADEMY CORE CLASSES

GRADE 9: DIGITAL PHOTOGRAPHY

Students learn how to create a variety of photo and graphic projects that will introduce various career possibilities in this exciting field.

GRADE 10: INTRODUCTION TO ENGINEERING DESIGN (IED)

This course introduces students to various aspects of the computer engineering design process. Students will learn research and analysis methods, communication methods, engineering standards, and technical documentation. Students will use 3D solid modeling design software to design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.

GRADE 11: PRINCIPLES OF ENGINEERING (POE)

This survey course of engineering exposes students to major concepts they will encounter in a postsecondary engineering course of study. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work, and communicating solutions to peers and members of the professional community

GRADE 12: CIVIL ENGINEERING AND ARCHITECTURE (CEA)

This course covers the following Roles of Civil Engineers and Architects; Project Planning; Site Planning; Building Design; Project Documentation and Presentation, with a long-term project. Students use Revit a 3D design software. Working in teams, students will learn about documenting a project, solving problems, and communicating solutions to other



Googleplex

students and members of the professional community of Civil Engineering and Architecture.

LEARN MORE ABOUT THE ACADEMY OF INFORMATION TECHNOLOGY

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