

## Skills Learned

- Basic PC troubleshooting
- Fundamental networking
- Data communications concepts
- Internet and web essentials
- Help desk support
- Web page layout and design; XHTML
- Advanced technical applications (MS Office)
- Database design and use
- Security
- Computer Forensics
- Ethics
- Careers related to the program
- General business practices

## Tech Prep Program

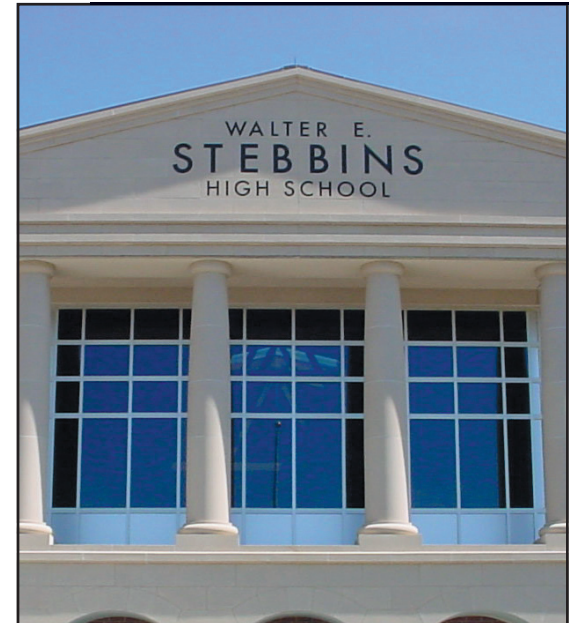
I.T. is a Tech Prep Program. It is seamless career-technical education program that begins in your junior year of high school and continues through as associate degree in college and beyond. You will be awarded a Tech Prep Scholarship in the amount of \$3,000 by successfully completing the I.T. Program and earn college credit hours. The I.T. Tech Prep program emphasizes teamwork, hands-on learning, work-site experiences, critical thinking, and problem solving.

## Business Professionals of America

Students enrolled in any Business Tech-Prep program automatically become members of Business Professionals of America (BPA). BPA is a co-curricular student organization that is built around a central theme of professionalism, giving students opportunities for leadership and citizenship. Students also compete against students from other high schools in various business events, earning recognition for outstanding academic performance.

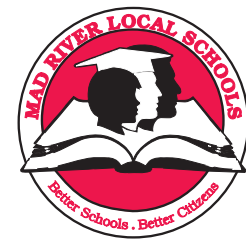
**Walter E. Stebbins High School**  
1900 Harshman Road • Dayton, Ohio 45424

# INFORMATION TECHNOLOGIES



## Walter E. Stebbins High School

1900 Harshman Road  
Dayton, Ohio 45424



Career – Technical Education  
937.237.4250



# INFORMATION TECHNOLOGIES

## Senior Year

The **Senior year** covers a wide range of materials. You will be introduced to content related to ethics in I.T., security, networking, data communications, career studies, help-desk user support, Internet technologies, general business, and computer forensics. Concepts and course work use a multitude of real world examples from a professional's standpoint, making it a practical preparation for the real world. The content is geared to help prepare you for the next step in the educational process. In addition to the senior year curriculum, students will have the opportunity to earn college credit by participating in the Sinclair Quick Start program. The Quick Start program allows students to take college level course work and earn college credit. This is an excellent opportunity for students to gain confidence in completing college level work as well as getting a head start toward college.

## Career Opportunities

I.T. offers many different pathways. This flexibility allows you to focus on your area of interest. During our time together you will be introduced to all major pathways of I.T.; this will provide you with a better understanding of I.T. as a whole. Although the primary emphasis of the Tech Prep program is IT related, this course will provide you with a technology foundation and skill-set that is transferable to any career field.

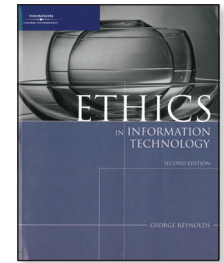
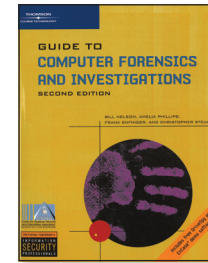
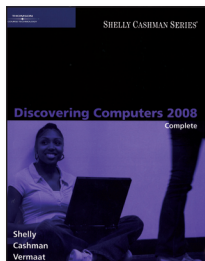


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## Course Overview

### Junior Year

The **Junior year** in the Information Technology (IT) class introduces you to the fundamentals of computing, particularly with respect to personal computer (PC) hardware, software, the World Wide Web, and web page design. You will learn skills necessary to implement and support computers, software and technical applications. In addition, you will develop an in-depth understanding of why computers are essential components in the business world and society; focus on the computer as a productivity tool; and present strategies for purchasing, installing, and maintaining a personal computer system. Your class is web enhanced to provide you with an integrated learning tool and to offer you the latest technology information.



Depending upon the path you choose you can have a successful career in any of the following specialties:

- Information Support & Services related pathway: Careers include, data systems designer, customer liaisons, application integrators, technical writers, database specialists, data analysis, maintenance technicians, help desk technicians, business analysts, security.
- Web based (interactive Media) related pathway; Careers include, web designer, web master, graphics designer, digital media, multimedia author, web security.
- Programming & Software Development related pathway: Careers include, software engineer, software technician, applications analysts, operating system designer/engineer, software programmer, software test specialists.
- Network related pathway: Careers include, network technician, network administrator, network engineer, communications analyst, WAN/LAN technician, system engineers, PC support specialists, telecommunications network technicians, network support specialists.