What is information technology (IT)?

Information technology is the use of hardware and software to create, process, store, secure and exchange all forms of electronic data. The end goal of using Information Technology is to improve business operations and our personal lives!

Careers in IT:
IT jobs are in high demand, in Dayton and all around the nation!

Have you heard of coding? With the use of coding, developers make things like websites or apps for phones!

Design and build
Engineers are the designers and builders in IT! Hardware engineers build the pieces you can touch where Software engineers build the programs that make the hardware come to life!

Make an app
Have you heard of coding? With the use of coding, developers make things like websites or apps for phones!

Help people fix things
In IT support, you use your problem solving skills and knowledge of technology to help people fix their computers or programs!

Keep it secure
Cybersecurity is becoming more important every day! With bad hackers stealing from businesses, security professionals work against the bad guys to protect the important things!

Team captain
IT Managers are the Team Leaders. After years of practice in IT, you can become a manager and oversee the IT needs of an organization!

This sounds cool! Now what?

Community Resources
There are many resources in the community if you are interested in technology! Check out after school programs or camps such as the ones mentioned below

High School Programs

STEM Education
Show your interest in STEM (Science, Technology, Engineering, and Mathematics)!
Many High Schools in the Dayton region have STEM or Career Technology programs

High School programs such as...
Alter High School
Centerville High School
Chaminade-Julienne High School
Dayton Public School’s Ponitz Career Technology Center
Dayton Regional STEM School
Greene County Career Center
Greenville High School
Kettering Fairmont High School
Miami Valley Career Technology Center
Miamisburg High School
Springfield-Clark Career Tech Center
Stebbins High School
Wayne High School
...and more!

Ask your schools about:
Career Fairs
Coding Camps
Internships
Power Lunches
Robotics Challenges

Internship Resources:
Montgomery County Youth Career Services:
www.thejobcenter.org/ycs365
SOCHE Engage: www.sochecareer.com/engage/

Get a Degree or Certificate in IT!
Most careers in IT require certificates and degrees in different areas of technology.

Higher Education
Colleges have a lot to offer to prepare you to work in IT. Many IT professionals earn 2-year, 4-year, and Graduate degrees as well as complete Certificates before starting their careers.

Degrees such as...
Automation & Control Technology
Computer Science
Cybersecurity
Data Science
Engineering: Computer, Electrical, Mechanical or Software
Management Information Systems (MIS)

From colleges such as...
Cedarville University
Central State University
Clark State Community College
Sinclair Community College
University of Dayton
Wittenberg University
Wright State University

Get a Head Start!
Did you know you can earn certificates during high school through some of the Career Tech Programs? It’s true!