COMPUTER SCIENCE FOR STUDENTS

Computer science blends all the "STEM" subjects of science, technology, engineering, and math, and also includes design. It's important to learn these skills because computer science is everywhere. Increased access to computer science helps you prepare to become the world's next innovators.

Learn about a new "superpower" that isn't being taught in 90% of US schools. [YouTube]

Computer Science is for Everyone

Computer science teaches important skills, such as creativity, problem-solving, critical and flexible thinking, and coordinating with others. Computer science also provides a critical understanding of citizenship, ethics, and social good.

In our technology-enabled world, computer science learning opens doors to high-demand jobs and provides students with skills that are broadly applicable. Here are a few examples of jobs/careers that are available:

- 3D Animator: Bring illustrated objects to life for movies and video games.
- Artificial Intelligence Specialist: Invent technology that can think like humans.
- Bioinformatics Software Engineer: Create software that organizes huge amounts of genetic information.
- Data Warehouse Specialist: Design and build a virtual storehouse for company information.
- Ethical Hacker: Find a computer system's weak spots by deliberately hacking it.
- Game Designer: Think up concepts and storylines for video games.
- Nurse Informaticist: Equip nurses with technology to enable high-quality patient care.

The average salary for a computing occupation in MI is $82,386, which is significantly higher than the average salary in the state ($49,510). The existing open jobs alone represent a $912,668,120 opportunity in terms of annual salaries.[1]

By 2028, there will be an estimated

4 M

computing-related jobs open
in the United States.

ncwit.org

High School Students

There are many resources to help you learn more about computer science-related classes and careers including your high school counselor and your local career technical center.

Middle School Students

Visit the code.org App Lab, a programming environment where you can make simple apps. Design an app, code in JavaScript with either blocks or text, then share your app in seconds.

To get started in computer science, you only need a desire to solve problems and a willingness to explore new ideas.

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[1] "Support K-12 Computer Science Education in Michigan." Code.org.

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Department of Education