



# BROTHER RICE

H I G H S C H O O L

## Coding Club

Coding Club encourages students to pursue their passion for computer science and promotes careers in the field.

Students have the opportunity to experience new types of code outside of the classroom and gain an understanding of the operating systems and machines used to run these diverse coding languages.

Members of the Coding Club also learn about heavy duty gaming rigs, micro controllers and the venerable Raspberry Pi.



## COURSE OFFERINGS

### IT Essentials (A<sup>+</sup> Certification)

Take a look inside and discover the internal operation of computer hardware and how to diagnose common computer problems. Students will learn how to install and configure software, troubleshoot common issues, and build hardware. This course will better prepare students for the CompTIA Certification exam, which certifies PC computer service professionals in the technology industry. IT

Essentials is a dual credit class worth 7 college credits through Moraine Valley Community College.

### Code HS

This introductory programming class will provide the fundamentals of computer science, programming, and computational thinking. Students will learn JavaScript commands, functions, and control structures. This highly visual, dynamic and interactive course equips students with a foundational understanding that can be used further to pursue a degree or career in computer science.

### Web Development

Students are introduced to the design, creation, maintenance and analytical components of web pages and websites. This course progresses from students understanding the foundations of WordPress, WIX, Pixlr and Google Analytics to producing multiple projects that serve as a portfolio for their future computer science careers.

