

# MCPS GOVERNOR'S STEM ACADEMY PATHWAYS AT CHS



## Architecture and Construction: Construction

- Construction Technology
  - Materials and Processes
- or**
- Carpentry I
  - Carpentry II
  - Carpentry III
- or**
- Cabinetmaking I
  - Cabinetmaking II

## Engineering and Technology (PLTW)

- DE Introduction to Engineering Design
- DE Principles of Engineering
- DE Computer Integrated Manufacturing
- Architecture and Civil Engineering

## Engineering and Technology (Technical Drawing & Design)

- Technical Drawing and Design
- DE Engineering Drawing and Design
- Architectural Drawing and Design
- DE Advanced Drawing and Design

## Information Technology: Cybersecurity

- Cybersecurity I (DE or non-DE)
- Cybersecurity II (DE or non-DE)
- Cybersecurity III (DE or non-DE)

## Information Technology: Programming and Software Development (Computer Programming)

- Programming
- Advanced Programming

### **Information Technology: Information Support and Services**

- DE Computer Information Systems
- Advanced Computer Information Systems

### **Information Technology: Information Support Services**

- Computer Systems Technology I
- Computer Systems Technology II
- Computer Maintenance (Optional)
- Information Technology Fundamentals

### **Information Technology: Web and Digital Communications**

- Design, Multimedia, and Web Technologies
- Advanced Design, Multimedia, and Web Technologies

### **Information Technologies Network Systems**

- Computer Network Software Operations I
- Computer Network Software Operations II

### **Manufacturing: Manufacturing Production**

- DE Precision Machining I
  - DE Precision Machining II
- or**
- DE Welding I
  - DE Welding II

### **Principals of Technology/Applied Physics**

- Principals of Technology/Applied Physics I
- Principals of Technology/Applied Physics II

### **Robotics (General Elective)**

- Robotics I
- Robotics II
- Robotics III