

Boonslick Technical Education Center



Woodworking, Construction & CAD

Mr. Jesse Allen, Instructor

Multiple Courses; 9-12th grade



Woodworking (1 credit, 9-12th grades)

In this course, students will learn introductory woodworking and basic construction skills through safety instruction, classroom study, hands-on use of tools and equipment, and building projects. Small, simple, inexpensive projects will be used as a springboard for advanced building projects in Advanced Woodworking and Construction Technology. A review of all aspects of the construction industry, such as career opportunities, house plans, technology, work ethics, etc. will be explored.

Advanced Construction Technology (1 credit, 10-12th grades)

Students will learn more advanced aspects of the woodworking and building industry through hands-on building and construction experience. Although the primary focus of this class is actual construction, all aspects of the woodworking and construction industry will be explored. Examples include but are not limited to; technical drawing, project planning, technical writing, budgeting, time management, career opportunities, workplace behavior, and safety. Internships may be available to the more advanced students. Some career opportunities include construction, construction management, general carpentry, cabinet-making, interior design, architecture, and manufacturing. Emphasis is placed on safety in all phases of the coursework. This course is a paired well with Computer-aided Drafting (CAD).

Computer-aided Drafting (CAD) I & II (1 credit, 11-12 grades)

Through a combination of hands-on exercises and drawing problems, this course introduces the student to computer-aided design and drafting using the AutoCAD software. The AutoCAD topics covered in this course include: an introduction to AutoCAD features, starting and setting up drawings, point coordinate entry methods, creation of 2D objects, layer management, object properties, selection sets, object snap modes, polar tracking, object snap tracking, construction techniques, creating and managing text objects, editing geometry, display control, and drawing inquiry methods. Some career opportunities include game design, construction, cabinet-making, interior design, architecture, manufacturing, and engineering.

Programs available:

Agriculture
Alternative Energy
Auto Tech
CAD
Computer IT
Advanced Construction
Health Sciences
Marketing
Woodworking
JROTC —WE ARE STILL
WAITING. #1 ON THE OR-
DER OF MERIT LIST FOR THE
MIDWEST. NO FUNDING
AVAILABLE YET.

Industry-Recognized Credentials

Automotive Service Excellence (ASE)
Certified Nursing Assistant (CNA)
Comp TIA A+, Comp TIA Network+
Occupational Safety and Health Ad-
ministration (OSHA) 10

Also available:

National Career Readiness Certificate
(NCRC) Work Keys Assessment
Compass Testing

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