



Building Trades

Grades 11 & 12

This program is designed to prepare students to enter directly into the construction field or continue their education at a post-secondary level.

Students build small projects and also work as a team to build full-scale projects in the career center. Students will also use their skills to work on service projects in the local community.

Program Highlights

1. To develop skills in the use of tools and equipment common to a carpenter, mason and plumber.
2. To develop an understanding of common structures, their parts and relationships to each other.
3. To develop an understanding of the theoretical aspects of carpentry, masonry and plumbing.
4. To develop positive work habits which include responsibility, following instructions and the ability to work with others.
5. To develop job seeking/employability skills necessary to succeed in the working world.

Units of Study include: Rough Framing, Finish Carpentry, plumbing, Exterior Finishes, Interior Finishes, Energy Efficiency/Home Performance, Insulation & Air Sealing, Jobsite Safety, Power Tools, Estimating, Print Reading, Masonry and Heavy Equipment.

Students will be building an entire three bedroom modular home in collaboration with Habitat for Humanity. The home will be completed in class and transported to a building site in Buffalo, New York. Along with training, students will also prepare to enter directly into the workforce with the help of partnerships with Be Your Own Hero and Construction Exchange of WNY.

Applied Academics

Students enrolled in the Building Trades program can earn credits that will satisfy core academic requirements in English Language Arts, Math and Science. Through the integration of these core academics, achieving a Regents Diploma remains in reach.

College Agreements

In addition to gaining the skills needed to enter the workforce, this program provides an excellent foundation for students looking to enter a college program. Articulation agreements for college credit are in place with Erie Community College (18 credits) and SUNY College at Delhi (6 credits).

How to Enroll

Orleans/Niagara BOCES partners with local school districts to provide exciting hands-on career and technical training during normal school day. To learn more, speak with your high school counselor or you can contact Orleans/Niagara BOCES Orleans Career and Technical Education Center Principal Mr. Michael Mann at mmann@onboces.org.

Teacher Information

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