

Construction and Development Cluster



Masonry Program

PROGRAM OF STUDY OVERVIEW:

Students enrolled in the Masonry Program will learn to lay out and build structures made with brick, blocks, stone and mortar, as well as work with concrete, and tile. Students will learn the different techniques for laying bricks, blocks, and stones, using the many different tools of the trade along with the safe operation of masonry power equipment. Reading blueprints and estimation of all different materials used for the masonry trade are covered as well. Knowledge gained by students in this program is applied in lab-based construction projects. The program is affiliated with the National Center for Construction Education and Research (NCCER).



Entrance Grades	Foundations of Building and Construction Technology (CORE) 1 Credit Double-blocked for One Quarter*	Masonry I 1 Credit Double-blocked for One Quarter*	Masonry II 2 Credits Double-blocked for One Semester COMPLETER	Masonry III (optional**) 2 Credits Double-blocked for One Semester	Work Study (optional)
	*Students commit to completing CORE & Masonry I sequentially in a semester.			**By space available & teacher recommendation	
10 th Grade Entrance	Fall Sophomore		Spring Sophomore	**Spring Junior	Senior
11 th Grade Entrance	Fall Junior		Spring Junior	**Spring Senior	Senior
12 th Grade Entrance	Fall Senior		Spring Senior		

IN THIS PROGRAM

The Masonry Program provides students with an opportunity to learn about the industry as it relates to residential and commercial building. Students will learn:

- historic and current methods and procedures used in the masonry trade;
- types of brick and block that are currently used in various types of masonry construction;
- information masons use in residential planning and construction drawings; and
- organization and format of plans, dimensioning and scaling, and figuring material quantities from information on the plans.

COURSE SEQUENCE

- Foundations of Building and Construction Technology (CORE)
- Masonry I
- Masonry II
- Masonry III (optional)

For course descriptions, please see the WCPS Course Catalog @ <https://www.worcesterk12.com/>

STUDENT ORGANIZATION



NEED

The Maryland Building Industry Association has declared a shortage of trained Masons.

CERTIFICATIONS

- NCCER Core: Intro Craft Skills
- NCCER Masonry Level I