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).

### Masonry 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.

### IN THIS PROGRAM

<table>
<thead>
<tr>
<th>Entrance Grades</th>
<th>Foundations of Building and Construction Technology (CORE)</th>
<th>Masonry I</th>
<th>Masonry II</th>
<th>Masonry III (optional**)</th>
<th>Work Study (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10th Grade Entrance</td>
<td>1 Credit Double-blocked for One Quarter*</td>
<td>1 Credit Double-blocked for One Quarter*</td>
<td>2 Credits Double-blocked for One Semester COMPLETER</td>
<td>2 Credits Double-blocked for One Semester</td>
<td>**By space available &amp; teacher recommendation</td>
</tr>
<tr>
<td>11th Grade Entrance</td>
<td>Fall Sophomore</td>
<td>Spring Sophomore</td>
<td>**Spring Junior</td>
<td>Senior</td>
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<tr>
<td>12th Grade Entrance</td>
<td>Fall Junior</td>
<td>Spring Junior</td>
<td>**Spring Senior</td>
<td>Senior</td>
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</tr>
</tbody>
</table>

*Students commit to completing CORE & Masonry I sequentially in a semester.

**By space available & teacher recommendation

### 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/

### NEED

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

### CERTIFICATIONS

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