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@EastLeeCountyHS



eastleecountyhigh



East Lee County High School



**EAST LEE COUNTY
CONSTRUCTION**



EAST LEE COUNTY CONSTRUCTION ACADEMY

INDUSTRY CERTIFICATIONS:

- Osha 10
- NCCER CORE SAFETY
- NCCER MASONRY
- NCCER

<https://elc.leeschools.net>

OUR PROGRAM

Masonry is a three-year program of study that prepares students to work in the masonry and building trades and prepares qualified individuals to progress into supervisory or proprietorship positions in the masonry field. Students develop an understanding of masonry work and learn to communicate using the trade terms. Sustainability and green building concepts are integrated into all aspects of the course. Course safety is reinforced continually throughout the course sequence. Technology-related reading, writing, vocabulary, mathematics, blueprint reading and materials and building science are integrated throughout the curriculum. Skill development includes a knowledge of mason's tools, wall layout basics, introduction to laying of brick and block, basic building of brick and block corners. Students will become familiar with the fundamentals of masonry in both theory and practical applications.

COURSE REQUIREMENTS

Occupational requirements are met through project-based learning combined with the necessary theory and employment skills. Course activities and projects required for successful completion of all Levels include tests, portfolio development, technical writing papers, authentic assessments, Midterm Exam and a Final Exam.

PROGRESSION

MASONRY 1, 2, AND 3

Students enrolled in Masonry Year 1, 2, and 3 will be required to become familiar with the proper use and care of masonry tools and equipment. The students will become aware of safety practices and accident prevention in accordance with OSHA standards. The student will also become familiar with measurement, layout procedures as well as sustainable practices when working on and developing site projects.

COURSE OBJECTIVES - MASONRY 1-3

The students will be able to explain:

- ~ Proper care and use of tools
- ~ Safety practices and accident prevention
- ~ Measurements and Estimating
- ~ Green Building Practices
- ~ Development and manufacture of mortar, brick and concrete
- ~ Laying of brick and concrete block
- ~ Development of projects and design elements

COURSE OBJECTIVES

MASONRY 2

- ~ Measurements and Material Estimating
- ~ Green Construction and Sustainable Practices
- ~ Introduction to Blueprints and Project Design

MASONRY 3

- ~ Tile and Precast Panels
- ~ Measurements, Blueprints, Estimating and Project Design
- ~ Career Preparation, Apprenticeship Exploration, Business Management and Certification
- ~ Completion of a Senior Project

