

STRUCTURAL SYSTEMS

WITH MR.MCMURRAY

CLASS PROGRESSION;

INTRO LEVEL 1: FUNDAMENTALS OF CONSTRUCTION-1 BLOCK

LEVEL 2: STRUCTURAL SYSTEMS 1-1 BLOCK

LEVEL 3: STRUCTURALS SYSTEMS 2-2 BLOCKS

LEVEL 4: WORK BASED LEARNING/PRACTICUM 1-2 BLOCKS

STRUCTURAL SYSTEMS IS A CONSTRUCTION COURSE OFFERED AT HALLS HIGH SCHOOL THAT OFFERS STUDENTS SKILLS AND KNOWLEDGE OF THE CARPENTRY/CONSTRUCTION INDUSTRY. WHETHER THE STUDENT IS PLANNING ON A CAREER IN THE CONSTRUCTION FIELD, OR JUST DESIRES TO LEARN THE BASIC SKILLS OF CARPENTRY, THIS COURSE WILL OFFER THESE SKILLS. MANY OF THE SKILLS ARE TAUGHT AS A PERFORMANCE BASED SKILL, MEANING THAT MASTERY OF MANY OF THE SKILLS ARE DEMONSTRATED THRU HANDS ON PROJECTS. THESE PROJECTS ARE OFFERED EITHER IN THE CARPENTRY SHOP, OR OUTSIDE THRU LARGER BUILDING PROJECTS, FOR EXAMPLE SMALL HOUSES. THE SKILLS LEARNED, ALONG WITH NCCER NATIONAL INDUSTRY CERTIFICATION, AND EXPLORATION OF THE CONSTRUCTION INDUSTRY WILL HELP PREPARE THE STUDENT FOR AN ENTRY INTO THE INDUSTRY IF THEY SO CHOOSE.

Intro: Fundamentals of Construction



Fundamentals of Construction is the introductory course within the Structural Systems pathway. In this program students will learn the basics of Construction safety including safety of ladders, scaffolding, and hand and power tools. Students can also expect to complete smaller carpentry projects using the skills learned. Level one NCCER certification can be received thru the completion of this class.

Level 1: Structural Systems 1



Structural Systems 1 is the 2nd level in this course pathway. Students can expect to learn about the construction industry and many of the industries opportunities. Students can also expect to participate on larger projects that are mostly outdoor on our construction site. These include small house construction and outbuildings. students can receive level 2 NCCER National certification.

Level 3: Structural Systems 2



Structural Systems 2 is a two credit advanced class in the Structural Systems course. In this class students can expect to learn advanced carpentry/ construction skills that will advance them in their knowledge of residential and commercial construction. Some of the topics include concrete, trim work, stairs, doors and windows, and roofing. Student can earn a level 3 NCCER national certification upon completion of this class.