



Golden Strip Career Center

Career & Technical Education

Building Construction Syllabus

BC 3 & 4

4 Credits

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Website Link:

<https://sites.google.com/greenvilleschools.us/gscg-buildingconstruction/home>

Course Description:

The Building Construction program is designed to prepare students to perform entry-level carpentry and residential building construction. Building students study house construction from the footing to the roof including basic plumbing, electricity and masonry. Construction materials, blueprint reading, safety, site layout and site preparation are covered. Students also learn safety, use of hand and power tools and applied mathematics

Each student may have the opportunity to acquire a NCCER (National Center for Construction Education and Research) card, OSHA-10, Microburst and CPR/First Aid.. In addition, students join SkillsUSA and can earn the opportunity to compete statewide and nationally.

This year we are excited to bring commercial roofing to the class

Course Standards:

The course standards for Building Construction are based on the standards found within the South Carolina Department of Education website. Students who successfully complete Building Construction with a passing 60% or higher will have demonstrated the ability, concepts, knowledge, and skills required to meet those course objectives. These course standards can be found at the following link

<https://ed.sc.gov/instruction/career-and-technical-education/programs-and-courses/career-clusters/architecture-and-construction/building-construction-standards/>

Course Outline:

Year 2 Semester 1

Safety (1 week) Electrical safety (1 week) Electrical (4 weeks) Windows and Doors (3 weeks)
Advanced roof framing (3 weeks) Rough framing (2 weeks) Roofing (2 weeks) Intro to
Cabinets (2 weeks)



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Year 2 Semester 2

Cabinets (3 weeks) Interior Finishes (4 weeks) Advanced Masonry (3 weeks) Plumbing (4 weeks) You Science cert (1 week) WBL projects (3 weeks)

*Each year students will have the opportunity to participate in Habitat for Humanity. Students must be 16 years or older to work with tools on Habitat sites. Students who are 15 can attend on painting or landscaping project days.

The course outline is a general guideline set up for the course and is subject to change at any time to allow for increased lessons or moving at a faster or slower pace. This allows for optimal student learning.

Textbook Used:

Residential Construction Academy Carpentry
5th Edition

NCCER Core Curriculum
4th Edition Trainee Guide

NCCER Roofing Level 1
Second Edition

NCCER Roofing Level 2
Second Edition

Moen Shower Design and Installation Guide

Residential Construction Academy Electrical Principles

Residential Construction Academy Plumbing

Residential Construction Academy Electrical Principles
Workbook / lab Manual

Residential Construction Academy House Wiring
Workbook/ Lab Manual

Online

Career Safe - OSHA 10

Pro Training - CPR/First Aid

NCCER- Core Testing

Grades: Student progress is cumulatively assessed each nine weeks in the following way:

60 Percent: Major Grades/Summative Assessments - Tests, Projects, and Exams

*40 Percent: Minor Grades/Formative Assessments - Quizzes, Employability Skills
Daily Grade, Journal Entries, Daily Assignments/Practice*

Grading Scale:



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A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 50-59

Class Fees: The fee(s) for this class are listed below. All fees are due by August 29, 2023. Fees are payable by cash, check or money order (payable to Golden Strip Career Center) or MySchoolBucks.

Class T-Shirt \$20 (optional)

Class Materials Needed:

Students will need to bring a notebook and pen or pencil to class each day. Students are also expected to bring their charged chromebooks to class everyday. The tools and building materials needed for class will be provided by the school or industry partners. Students must wear closed toe shoes to class and in the shop. Crocs, slides or flip flops are not allowed.

Class Procedures and Class Rules: Students receive a Golden Strip Career Center Student Handbook outlining daily operations and procedures followed at Golden Strip Career Center. Class and Shop Rules are posted on the wall of the classroom/shop as well as below.

Shop Rules:

1. Students will wear appropriate Personal Protective Equipment (PPE) at all times.
2. Students must obtain instructors permission, read and understand all owner's manuals before using or operating any tools or equipment.
3. Students will demonstrate respectful behavior. Be respectful of yourself, your peers, faculty and staff of GSCC, school and others projects and property.
4. Students will use school appropriate language.
5. Students will not bring phones or earbuds into the shop
6. No food or drinks allowed in the shop
7. Students will follow all rules laid out in student handbook
8. Students will report any hazard, injury or problem to the teacher immediately

Attendance Policy: The school year consists of 180 school days. To receive credit, high school students or students in middle school taking courses for graduation credit must attend at least 85 days of each 90-day semester course and at least 170 days of each 180- day year course, as well as meet all minimum requirements for each course. In order to receive high school credit after the 10th unlawful absence, "seat time recovery" is required for every subsequent absence that is unlawful. (*Note:* the 10 day absence limit applies to each 180-day course and should be



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considered 5 days for each 90-day course.). A student must attend the majority of a class session during a school day to receive credit for that class.

Late work policy:

Students are responsible for submitting work on time. Submitting late work (not due to an excused absence) is at the discretion of the teacher and administration. Students must communicate with their teacher to determine timeline and approval of work.

Make-up work policy: Students are responsible for arranging time to make up missed work due to an excused absence. All assignments that were assigned prior to the absence may be due upon the student's return to school. A student may be granted up to five days to complete make-up work for excused absences provided that 1) the teacher has communicated the timeline at their discretion and schedule, 2) the absence is preapproved, 3) the student is in good standing, 4) the student has a prior record of good attendance, and 5) missed work is completed and turned in within the school's allotted time period.

Shop Dress Code: Students are required to wear closed toe shoes at all times in the shop. Flip-flops, slides, Crocs, slippers or sandals of any kind are not allowed to be worn in the shop. Students are also required to wear Safety Glasses at all times in the shop. Failure to adhere to the shop Dress Code will result in students not being allowed to work in the shop. This will result in the student receiving a zero for the day. Note that missed shop grades cannot always be made up due to time constraints. Students who receive 2 or more shop dress code zeros will be referred to administration for further action.

Employability Grades: Students will be assessed weekly on Employability grades. These grades will be based on their work for the week. Below is the Employability Rubric that will be used for grading. The employability will be a minor grade.

Employability Skills	Punctuality	Safety	Time Management	Effort, Teamwork and Problem Solving	Job Site Cleanliness
20 points (Great)	Students gathered material in a timely manner	Students worked on their projects and	Students used great use of their time and did not have to	Students showed great effort, teamwork and	Students Job site was cleaned up perfect and all



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	and started their projects without any redirection	maintained safe working conditions and practices. Students wore correct PPE at all times	be redirected during the project	problem solved during the project	tools and materials put away in correct spots
15 points (Good)	Students gathered materials and started their projects without any redirection but took longer than 3 minutes to get started	Students worked on their projects and maintained safe working conditions and practices. Students had to be reminded about PPE one time	Students used good use of their time and had to be redirected once during the project	Students showed good Effort, Teamwork and did not problem solve during the project	Students job site was cleaned up good with a tool or materials not put up correctly
10 points (Fair)	Students either took longer than 5 minutes or needed to be redirected before starting their projects	Students worked on their projects and maintained safe working conditions and practices. Students had to be reminded about PPE two times	Students used fair use of their time and had to be redirected twice during the project	Students showed Fair effort but did not problem solve or show good teamwork during the project	Students job site was cleaned up fair with several tools or material not put away correctly
5 points (Poor)	Students needed several redirections and took longer than 5 minutes to gather materials and start their project	Students did not maintain safe working conditions and practices or students had to be reminded about PPE more than twice	Students used poor use of their time and had to be redirected more than twice during the project	Students showed poor effort, problem solving or teamwork during the project	Students did not clean up job site well or did not put back most tools and materials