**Carpentry**

**Course Syllabus**

**2024-25 School Year**

**Course Description:**

In the Carpentry course, students will embark on an exciting journey into the world of construction and carpentry. This hands-on, high school Career and Technical Education (CTE) program is designed to provide students with a solid foundation in various aspects of the construction industry. Through a combination of classroom instruction and practical experience, students will develop the essential skills, knowledge, and safety practices necessary for a successful career in building trades.

**Course Objectives:**

* 1. Safety First: Emphasizing safety procedures and practices, students will learn to prioritize their well-being and the well-being of others on the construction site.
* 2. Blueprint Reading: Students will gain proficiency in interpreting architectural and construction blueprints, enabling them to understand project plans and specifications.
* 3. Construction Materials: Understanding the properties and applications of various construction materials, students will learn how to select and use materials effectively in building projects.
* 4. Tools and Equipment: Students will become familiar with a wide range of hand and power tools used in construction, and they will develop the skills to safely and accurately operate these tools.
* 5. Framing and Carpentry: Students will learn the fundamental principles of framing and carpentry, including wall framing, roof framing, and interior finishing techniques.
* 6. Electrical and Plumbing Basics: An introduction to basic electrical and plumbing systems will enable students to handle common household repairs and installations.
* 7. Construction Management: Students will gain insight into project management, including scheduling, budgeting, and project coordination.
* 8. Green Building Practices: Exploring sustainable and energy-efficient construction methods, students will be prepared to meet the growing demand for eco-friendly building techniques.
* 9. Career Exploration: Throughout the course, students will have opportunities to explore various career paths within the construction industry and discover potential post-secondary education and apprenticeship options.
* 10. Hands-On Projects: To reinforce their learning, students will engage in hands-on building projects, such as constructing small structures, building interior components, and applying finishing touches to real-world projects.

**Text:**

Modern Carpentry

**Required Materials:**

* Students will be required to supply a spiral notebook and blue or black pens and number two pencils daily
* Chromebooks need to be charged and ready to use each day
* All students should bring a refillable water bottle and fill it before class.

**Dress Code**

The Building Trades program at EBMS is designed to prepare students for future careers in specific industries. Learning to wear appropriate clothing for the job is a fundamental aspect of this preparation. The dress code is also in place for the **safety of the student.** By following dress code guidelines in high school, students are better equipped to transition smoothly into their chosen careers after graduation.

* All students must wear boots in shop class.
* Long pants must be worn.No sweatpants or pajama bottoms allowed. Shorts will be allowed in very warm weather **(no gym shorts or bathing suits).**
* No loose or baggy clothing. No strings, chains, hanging straps. Pants need to be worn on the waist and not sagging.
* No vulgar or inappropriate logos, pictures or sayings on shirts or hats. This includes references to drugs and alcohol.
* If hoodies are worn, hoods must be down and strings tucked in.
* No tank tops
* PPE( Personal protective Equipment) Safety glasses are a must and will be provided by the school. Gloves, hard hats, hearing protection are also available when needed.
* If a student has long hair it must be tied back behind their head

**If any student is unprepared for shop they will not be allowed to participate and will receive a grade of “0” for the day.**

**Class Policies and Rules of Conduct:**

* Respect will be the most important element in the shop. Respect for yourselves, the instructors & administrators, fellow students, the tools and materials, and the shop itself. Disrespect in any way will not be tolerated.
* No use of profanity
* Students will learn and apply safety rules and procedures while in the shop and the field.
* All Students will be responsible for the upkeep of the entire shop.
* Students will take out the trash when assigned by the instructor.
* No student will operate any tool or equipment without being properly trained by the instructor.
* **Cell phones & electronic devices are not to be used in the shop without the instructor’s permission.All phones will be stored in the phone lock-up cabinet during shop time, NO EXCEPTIONS! Forfeiture of devices to the instructor may result and parents will have to pick up at the front office.**
* Any violation of the shop rules may result in additional book or written work, additional clean up tasks or referral to an administrator for further action.
* If your student wears glasses, please confirm they meet safety glass specification or provide appropriate eyewear; the student is responsible for wearing the appropriate eyewear in class
* Bathroom: We are fortunate to have a bathroom in our shop. Students must ask prior to using the bathroom. For this reason, students are not allowed to use the hall bathroom during shop time. Food and drink: No food allowed. Water is allowed and encouraged. Please have your student bring a refillable water bottle and fill it prior to class.

**Evaluation:**

Students will be assigned homework, assignments, duties and tests during the marking period. Daily hands on performance tasks will be assigned and will make up the bulk of the grade.

Students will be graded on a combination of their mastery of the task as well as their effort.

  25% Tests, Quizzes, homework

75% Shop Participation and Clean Up

I have read and understood the course policies and expectations.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Print student name

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Student signature date

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Parent/guardian signature date

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Parent email

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Parent phone number