**Course Title:** Residential Carpentry

**Instructor:**  Brent Kerr

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**Course Description:**

This course for grades 10-12 students.  This class introduces students to basic construction techniques and use of hand, power, measurement, and layout tools.  Skills will then be used in the construction of projects, of which size and scope will be determined as skills are developed.  Basic math skills will also be stressed.  This is a hands-on class that will require teamwork and daily participation, so attendance is important.  Work habits will also be a big part of your grade placing value on those things a potential employer would consider important in maintaining and keeping a job.

**Course Objective:**

1.   Exhibit safety principles and safe work habits

2.   Accept constructive criticism and demonstrate appropriate behavior change

3.   Demonstrate professional conduct

4.   Produce quality work

5.   Understand building techniques

6.   Build vocabulary used in the carpentry trade

7.   Use measuring and layout tools and be able to measure up to 1/16 of an inch

8.   Use math and problem solving skills

9.   Use hand and power tools

10.  Build good work habits

**COURSE OUTLINE:**

A. Introduction
1. course requirements
2. classroom procedures
3. record keeping

B. Vocabulary
1. general shop
2. safety

C. Measurement
1. Reading a rule
2. Measuring accurately

 D. Safety and Demonstrations
1. general safety

 2. hand tools
3. portable power tools
4. Machines

E. Project Planning
1. design
2. dimensioning
3. Procedure

F. Drafting in Construction

1. sketches
2. scale
3. detailed sketches
4. working drawings (scale drawings)

G. Career Options

1. exploring real jobs in the working world
2. exploring areas outside the world of construction

**Course Requirements:**

Good attendance is required. Each student will be required to pass a test covering the safe operation of shop equipment with 100% accuracy before being allowed to use that equipment. Everyone needs to bring a pencil, I-pad, and tape measure to class.Much of the class will involve teamwork and hands-on activities which cannot be effective without the student’s engagement.  Work habits and participation will be a major part of the student’s overall grade, so being on time and in class every day is important.  Students who are absent will be given two days to make-up work.  Students who fall behind and need extra help need to see the instructor.  In case of absence, the student is responsible for getting all information and/or assignment given out while gone.

**Course Evaluation:**

The following factors will be used to determine the student's grade in this course:

A. written assignments
B. tests
C. amount of time on task
D. behavior and attitude
E. final

The above will be averaged to determine a class grade Homework: work not completed in class may, at my discretion, be sent as homework. If so, it is due the next time the student is in class.