

Providence Career & Technical Academy

Syllabus- Construction Technology I

Time Frame: 2021-2022 School Year

Instructors:

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Course Description:

Carpentry I is a course designed to analyze and apply all aspects of residential building construction, from foundation to finish. Students will use the required NCCER Core Curriculum and Home Builders Institute (HBI) text as a guide, and will apply technical concepts and procedures actively in the shop setting. Each chapter/unit of the text(s) is designed to be a module/unit and Student Achievement Record (SAR) for which students will receive a nationally recognized certification, upon successful completion. Each module/unit has an academic, written component as well as a practical performance component. Students must achieve a minimum of 70% on each assessment in order to receive certification and passing.

Common Core Standards Addressed:

***Home Builders Institute (HBI) Unit 1-6**

-Core Units 1-5

-Carpentry Unit 6

***NCCER Carpentry Fundamentals Level 1**

Common Core State Standards for Mathematical Practice:

-Make sense of problems and persevere in solving them

-Reason abstractly and quantitatively

-Model with mathematics

-Use appropriate tools strategically

-Attend to precision

-Look for and make use of structure

Required Textbooks, Reading and Supplementary Materials:

-NCCER Core Curriculum, Introductory Craft Skills

-Home Builders Institute (HBI) Units 1-6

-Online resources and articles as necessary

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Assignment and Examination Schedule

| Assignment | Date |
|---|---|
| Module Assessments, Written and Practical <u>Core Curriculum</u> Module 1 Basic Safety Module 2 Introduction to Construction Math Module 3 Introduction to Hand Tools Module 4 Introduction to Power Tools Module 5 Introduction to Construction Drawings Module 6 Basic Rigging Module 7 Basic Communication Skills Module 8 Basic Employability Skills Module 9 Introduction to Materials Handling | Module tests are administered at the completion of each module progressively through the school year |
| Module related activities and assignments | Administered at Mid-Term, & End of Quarter |
| Home Builders Institute (HBI) | Student Achievement Record |
| Core Units 1-5 | Complete SAR's (80%) |
| Carpentry Unit 6 | Complete SAR's (80%) |
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Grading Policy: We encourage all students to come to class prepared, do their homework and participate in all class activities. However in an effort to measure students true knowledge only assessments, tests and quizzes will be factored in the score of all students. Any student who obtains a score of less than 70% in any classroom assessment will be qualified to retake the assessment only after he/she completes all necessary preparatory assignments. A score of 70% is required in order to receive NCCER/HBI Module Certification and must complete 80% of the Student Achievement Record (SAR's) in HBI. These scores are entered in Skyward as a Test Score.

Overall Grading:

Homework.....20%
Tests&Quizzes.....30%
Shop Skills & Effort...50%

EXPECTATIONS:

Safety

We expect all students to thoroughly understand and observe any and all possible safety issues inside and outside the classroom. Due to the inherent and associated risks, safety training will take place at the beginning of each school year. Horseplay and not adhering to proper safety will affect not only the "Shop Safety" portion of the grade, but will also limit the amount of "Class Work" this student is able to perform.

We strongly caution students from performing any work observed and/or learned from this class without supervision of a licensed professional until professionally and legally certified.

Effort

We expect all students to give 100% and always try their hardest. Our responsibility is to make sure this effort is rewarded with learning.

Conduct

We expect all students to adhere to the school's handbook regarding classroom conduct. We believe a student performs at their best in a comfortable, safe environment on the physical and emotional levels. Teasing, bullying, hurtful and disrespectful behavior will NOT be

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tolerated.

PCTA Construction Technology

Prior to RTI

1. The Carpentry department shall identify on a monthly basis any student who has frequent absences, several missed assignments, and lack of productivity in the lab area.
2. Upon identifying a student with needs a meeting shall be made with the student, his/her guidance counselor and the director of CTE to evaluate the student's lack of performance when attending Carpentry class. This meeting will allow the student and instructor to produce a comprehensive plan with the help of the students' guidance counselor and the CTE director to get the student to the appropriate performance level. This gives the student the opportunity to be a part of his or her education and redirection of their Career and Technical Education Training.
3. If the student does not comply with the agreement within 2 weeks, a representative from the Carpentry department will contact the guidance department to make an appointment for a second conference including the parent to discuss any issues or concerns about their child.
4. If the student performance continues to decline the student will be referred to RTI (see below for RTI plan)

RTI Plan

1. The Carpentry department will meet once a month to discuss any potential students who are in the "at risk" category. The "at risk" category is defined as any freshmen or sophomore student missing more than 22 days in one quarter, also any student who fails one full module from the curriculum.
2. Once any "at risk" students have been identified a spreadsheet shall be forwarded to guidance and special education if applicable.
3. A meeting shall be scheduled with the RTI team to discuss further actions to create a comprehensive plan for the student's to succeed.
4. Upon the student's completion of RTI the Carpentry department shall contact the RTI

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team to discuss whether the student shall be referred to special education or if they can be dismissed from the Intervention plan.