

<p>Mr. Travis Barrett Phone: 229.413-1787 tbarrett@tcjackets.net</p>	<p>Industry Fundamentals and Occupational Safety</p>	
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**Career Cluster: Architecture and Construction
Pathway: Welding**

Course Description: This course is the foundational course that prepares students for the pursuit of any career in the field of construction, specifically as it relates to welding. It prepares students with knowledge to function safely on or around a construction site and in the industry in general. It provides students with the option to obtain a certification in the Construction Core.

This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety.

EOPA Statement

Students are encouraged to select a pathway beginning in ninth grade that is connected to their college and career goals. This course is one of three courses in the *name of pathway* pathway in the CTAE department. At the conclusion of the third pathway course, students will be required to take an End of Pathway Assessment. This assessment provides students an opportunity to demonstrate what they have learned by completing an on-line, nationally recognized exam. Students who complete a pathway and earn an industry credential by passing the assessment will receive a graduation cord to signify their achievement.

Course of Study:

Topic:	Standards:
Employability Skills	ACT-IFOS-1. Demonstrate employability skills required by business and industry.
Safety	ACT-IFOS-2. Understand and practice construction safety.
Construction Math	ACT-IFOS-3. Understand and apply math concepts as applied to construction
Hand and Power Tools	ACT-IFOS-4. Utilize basic hand and power tools in a professional and safe manner
Introduction to Blueprints	ACT- IFOS -5. Demonstrate knowledge of construction drawings terms, components, and symbols.
Basic Rigging	ACT- IFOS -6. Explain and implement safe rigging procedures.
Material Handling	ACT- IFOS -7. Understand hazards associated with materials handling.
Basic Employability	ACT- IFOS -8. Demonstrate knowledge of the different forms of communication used in the construction industry.
Careers	ACT- IFOS-9. Develop an understanding of construction careers and describe the principal fields of specializations
Skills USA	ACT-IFOS-10. Examine how SkillsUSA is a co-curricular part of career and technical education through leadership development, school and community service projects, and competitive events.

Literacy Standard for Course:

In addition to content standards, students will be responsible for showing mastery of the Common Core literacy standards. These standards will be taught using reading and writing activities related to the content area. Reading materials may include novels, technical manuals, articles or other appropriate materials as determined by the instructor.

P.R.E.P Academy Grading Policy:

Daily Grades/In Class Assignments	20%
Tests	25%
Projects/Lab Work	35%
Benchmark (Final)	20%

Make Up Work:

Students are responsible for getting their make-up work from the teacher. Make up policy is in compliance with the student hand book.

Textbook:

Students will not be issued a textbook for this class, but one will be available for classroom use.

Core Curriculum 5th Edition– Introductory Craft Skills –

Classroom Rules/Conduct:

1. Come to class on time with the proper materials.
2. Stay on task at all times during class.
3. Ask for permission before you do anything.
4. Keep hands, feet, and objects to yourself.
5. Follow directions when they are given.
6. Wear appropriate clothing at all times

Computer Use:

Students will be required to access the Internet for some assignments and projects. Each student must have an Acceptable Use Policy (AUP) on file at the school. All policies in the AUP will be followed.

Students should only use the Internet when instructed for classroom purposes. Students who are caught downloading/streaming music, on inappropriate websites, attempting to bypass the server, or participating in other questionable activities will receive a referral and their computer privileges may be revoked.

Additional Information:**Students must have:**

An 1" binder
Pencil and/or pen
Paper
Charged Chromebook

I am an advisor for SKILLS USA. SKILLS USA is a non-profit organization in which students may participate. The club dues are \$20.00.

Syllabus and Contact Information

Please read the following statements, print your name, give your signature, and fill out the information below.

As the **student**, I have read the IFOS syllabus and understand the expectations and requirements of the course. I also agree to follow the rules in the classroom.

Student's Printed Name

Student's Signature

Date

As the **Parent/Guardian**, I have read the IFOS syllabus and understand the expectations and requirements of the course. I also expect my TCCHS student to follow the rules in the classroom.

Parent/Guardian Printed Name

Parent/Guardian Signature

Date

Phone Numbers: Please circle the phone number preferred.

Home: _____ Best time to call: _____

Work: _____ Best time to call: _____

Cell: _____ Best time to call: _____

E-mail address: _____