



Youthentity Career Academy Construction and Design 2023-2024 Academic Year

Grade level:	11-12, sophomores by exception
Lead Instructors:	Greg Beachey (Youthentity), Camron Wyatt (BOCES), Evan Gould (Gould Construction), Luke Boyer (Master Plumber), Independent Electrical Contractors, Additional Instructors TBD
Locations:	Bridges High School Additional locations based on learning objectives
Course Duration:	1 year
Prerequisites:	none
Credits:	10 credits math, 10 credits CTE
College Credits:	Yes, up to 8 credits
Hours of Instruction:	200 +
Time:	Bridges: Periods 2 and 3 GSHS: Periods 4 and 5 on Red days RFHS/BHS: periods 4 and 5 on Gold days
Start Date:	9/22/2023
End Date:	5/24/2024
Schedule:	This program aligns with the Roaring Fork School District academic calendar
Phone:	(970) 963-4055
Email:	Greg Beachey, greg@youthentity.org cell 574-361-4409
Textbooks:	<i>Core Curriculum: Introductory Craft Skills</i> , 6 th Ed. NCCER/Pearson ISBN: 13: 9780137483341 <i>Introduction to Business</i> , Openstax ISBN: 1-947172-55-7 <i>OSHA 10-Hour Construction Industry</i> , online learning via CareerSafe
Computers:	Students must supply their own computer to access Google Classroom and CareerSafe

Required supply fees: \$200 supply cost each year (this includes a pair of work boots and other required PPE). Refundable book deposit: \$25. If you need financial assistance with the fees, please reach out to Youthentity directly at 970.963.4055

Students are required to provide their own transportation to and from class. Youthentity will provide RFTA bus passes to students who need them.

This syllabus contains the policies and expectations established for the Youthentity Construction and Design Career Academy. Students and parents should read the syllabus carefully and understand that they will be expected to abide by these policies and expectations fully.



Youthentity Construction and Design Career Academy Description:

The Youthentity Construction and Design Career Academy will provide students with an introduction to a variety of careers in the construction and design industry. Students will be able to apply their knowledge through a team-building project.

1. Career Exposure and Industry Knowledge. As part of the academy, students will learn about a variety of aspects of and careers in the Construction industry including:
 - a. About the industry
 - b. Career paths and requirements
 - c. Construction Safety
 - d. Construction Math
 - e. Building Information Modeling
 - f. Construction drawings
 - g. Hand and Power tools
 - h. Architecture
 - i. Land selection criteria
 - j. Heavy equipment and Material Handling
 - k. Budgeting & estimating
 - l. Primary construction teams
 - m. OSHA & building codes
 - n. Grading & excavation
 - o. Foundations
 - p. Concrete
 - q. Framing
 - r. Mechanical
 - s. Electrical
 - t. Plumbing
 - u. Insulation & Roofing systems
 - v. Windows, doors, cladding
 - w. Drywall & painting
 - x. Landscape architecture
2. Projects: Students will work collaborative on all aspects of construction of a tiny house. Small projects may be included during the year.
3. Career & Education Planning. Students will work to develop a plan for the careers in which they have an interest including determining what type of training or education needed to achieve those goals, associated costs, what can be expected in terms of future earnings while balancing this with the chosen lifestyle. This will include learning and demonstrating general employability skills.
4. Concurrent enrollment with Colorado Mountain College BUS 115 earning up to three college credits, with five additional credits available for completing the NCCER CORE course. Students will also earn the OSHA 10 Construction Industry certification, NCCER CORE Construction Essentials certification upon successful completion of the associated coursework.

Program Expectations & Requirements:

ATTEND ALL CLASSES- Students are required to attend all classes with two exceptions:

1. If you are traveling for sports or other extra-curricular activities, you should expect to make-up any *labs* missed through volunteer service as labs cannot be repeated.
2. Illness; provided you bring a doctor's note to your next class and an email directly from parents/guardians.

If you have excessive absences, determined by the sole discretion of the instructor, you may be withdrawn from the program early and issued an "F" grade.

For all absences, excused or unexcused, students must call, text or email the instructor to let them know they will not be in class. Minimum 4-hour notice is expected.



BE PUNCTUAL- Early is on time. On-time is late. Late is unacceptable. Be ready to go at your station for lectures and be outfitted in proper PPE for labs before class officially begins.

BE PREPARED- It is an expectation for you to come to class with the proper materials (classwork, paper, pencil, your computer, PPE etc.). This also includes homework assignments, which are due at the beginning of class and will be submitted through Google classroom. Your cell phone should always be put away. On shop days, you must wear all personal protective equipment required (work boots, sturdy pants, gloves, eye protection, etc.). As part of a real-world learning experience, Youthentity expects students to have the maturity to keep up on their work and to attend all program classes. Reminders will not be made to parents.

PARTICIPATE- Participate in all your labs, lectures, and discussions fully. Do not rely on others to do all the work. This includes the cleanup of the shop and learning spaces. For lectures, you should be able to ask at least one question of the instructor or guest speaker.

BE A GOOD EMPLOYEE AND TEAM PLAYER – This program is more than constructing things. It’s about learning how to work with others, assume leadership roles, being reliable and accountable to your teammates and coaches, volunteering to further the organization and developing basic employability skills such as timeliness, dependability, thinking critically, teamwork, written and oral communication.

Grading:

The student will receive a letter grade for first and second semesters following the Roaring Fork School District guidelines. Progress grades will be submitted at the end of each quarter. Grades are based on the following:

Participation* – 60%	90 – 100% = A
Homework** – 15%	80 – 89% = B
Academic Exam – 10%	70 – 79% = C
Skills Exam – 15%	0 – 69% = F

Grades for the CMC Business 115 class will be submitted to CMC at the end of the second semester using the following scale:

94-100%=A	80-83%=B-	67-69%=D+
90-93%=A-	77-79%=C+	64-66%=D
87-89%=B+	74-76%=C	60-63%=D-
84-86%=B	70-73%=C-	<60%=F

*The student’s grade is based on attendance, participation in discussions and labs, attitude, proper dress, respect, professionalism, teamwork, and quality of work in the shop. The participation grade is determined at the sole discretion of the instructor except for attendance.

**Homework – All homework will be completed on Google Classroom and will not be accepted after the module closes.

I have read and understand the requirements of the class and the elements of the syllabus.

Student: _____

Date: _____