



Construction Trades : Carpentry TI330 1.0 (YEAR)

Prerequisite: BEGINNING WOODWORKING AND ADVANCED WOODWORKING (passing grade of C or better in both) OR Consent of Instructor
GRADE LEVEL(S): 11, 12

This course is designed to teach students the basics of carpentry and construction. Areas of study include essential safety protocols, an orientation to the carpentry trade, and an introduction to material handling, fasteners, and working on a job site. Students will gain hands-on experience with both hand and power tools while learning proper usage and maintenance for each.

FUNDING OVERVIEW:

Year 1 - Startup
\$228,000

Year 2-5 - Ongoing
\$93,600 / year

Total Over 5 yrs.
\$696,000

Throughout the course, students will explore construction drawings, specifications, and layout as they build foundational knowledge of floor and wall framing systems, ceiling joist and roof framing, roofing materials, siding, and other essential construction methods. Practical projects give students the opportunity to apply skills used in the construction trade to complete real projects on our school-based job site. Additionally, the course covers employability skills such as communication, teamwork, and work ethic, equipping students with both the technical skills and the professional mindset necessary for success in the carpentry field and construction industry.

Dual Enrollment Course-College Credit Available. Students enrolling in this course will have the option to earn Montana University System credit upon successful completion of the course. Please reference Dual Enrollment page for additional information.

Credit Type: CTE, FLEX
Class Cap: 12 Students/section



Student Chapters





Year 1 -

- 1 Full time teacher split between GHS/BHS
- Start small to help ensure success (hand selected students)
- Smaller number of classes - 2 at each school
- Leave time for instructor to coordinate with industry
- Kink out details of curriculum, sequence and timing Juniors and Seniors in program



COSTS -

- Includes FTE for teacher - \$80,000
- Materials for sheds \$60,000
- Practice Wall Materials - \$10,000
- Tools, Equipment - \$40,000
- Storage at Job site - \$20,000
- Books/Curriculum - \$8,000
- Additional budget for misc needs - \$10,000
- TOTAL = \$228,000



Year 2 - 5

- 1 Full time teacher split between GHS/BHS
- Potential for growth and adding up to 3 classes at each school
- Continue to improve curriculum, sequence and timing
- Juniors and Seniors in program, potential to add sophomores
- Potential to add more teachers
- Potential to add 2nd year class



COSTS -

- Year 2-5
- Includes FTE for teacher - \$80,000
- eBooks/Curriculum - \$3600
- Additional budget for misc needs - \$10,000
- TOTAL = \$93,600

TOTAL COSTS -

TOTAL = \$696,000

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Student Chapters

