



Construction Trades Syllabus

COURSE INFORMATION (2020-2021 School Year)

Credit: 3.0 Credits total

- Eligible for equivalent credits: 3rd credit in Math, ELA, Science (confirm with your counselor and administrator)
- Career and Technical Ed
- Elective

Class Times/Days:

- AM Session: 7:55 am - 10:25 am, M-F
- PM Session: 11:10 am - 1:40 pm, M-F

Course Mission:

Provide students with the knowledge, skills, and abilities to pursue rewarding construction careers with excellent wages and benefits.

Enrich and support each student's high school learning experience, including opportunities for course equivalencies.

Course Description:

There is an increasingly high demand for employment in the construction industry!

- The Construction Trades program is designed to provide students with a foundation of skills and experiences to prepare them to gain apprenticeship and employment within the trades, or post-secondary education leading to a profession within the construction industry.
- This course also focuses on developing professionalism and highly employable traits and characteristics, providing students skills necessary in all aspects of industry, including customer service and technical writing.
- Skills and knowledge are cultivated using hands-on activities, project-based learning, fieldtrips, and guest speakers to meet rigorous academic and industry standards.

Prerequisites: None. Exploratory courses such as woodshop, tech-ed, computer-aided drafting/3D modeling, and manufacturing technologies are beneficial.

INSTRUCTOR INFORMATION

Jen Stutz

Office Hours: 7:00 am - 7:45 am, 1:45-3:30 pm, M-F

Office Location: Building 3, Room 313

Phone: 425-348-2244

Email: stutzjk@mukilteo.wednet.edu

The best way to reach me during the school day is via email, and we can always follow-up with a phone call as needed. I look forward to hearing from you.

COURSE MATERIALS

Materials provided by Sno-Isle:

- Safety glasses, hardhat, hearing protection, tool belt
- Textbook: Carpentry Fundamentals, Level One, NCCER, Pearson
- Textbook: Core Curriculum, Introductory Craft Skills, NCCER, Pearson

Materials provided by student:

- Work boots – thick sole, supportive
- Long pants
- Work gloves (optional)

LEARNING OBJECTIVES

The following course units are combined and integrated into small to large scale projects.

- Overview of Construction Industry and Related Fields
- Jobsite Safety
- Construction Math and Measurement
- Hand Tools and Power Tools
- Introduction to Construction Drawings
- Materials Science, Applied Physics
- Fasteners, Adhesives
- Wood Framing Systems and Components
- Exterior Finishes and Roofing
- Thermal and Moisture Protection
- Exterior Doors and Windows
- Interior Finishes
- Company Organization and Operations
- Career Development
- Project Planning, Scheduling, Estimating
- Introduction Mechanical, Electrical, Plumbing Systems Coordination
- Construction Rigging
- Digital Design and Laser Cutting

Certificate Opportunities

Students may earn certificates in:

- CORE Plus Construction
- CPR / First AID
- Fall Protection Awareness
- Precision Exams, 21st Century Skills
- Precision Exams, Construction Fundamentals

ASSIGNMENTS and GRADING

Assessment Criteria – Approximate Breakdown

Employability 50%

- Professional Responsibility, Individual and Group Participation, Organization, Safety

Assignments 30%

- Daily Work, Skills Practice, Research and Exploration

Assessments 20%

- Projects, Demonstrations, Exams

Additional grading rubrics typically are provided at the onset of each project or assignment. Students complete a daily timesheet, which is a self-evaluation tool that assesses student engagement and professionalism. The instructor signs-off daily, and timesheets are turned in and graded weekly.

Grading communication:

- Grades are updated, at a minimum, every two weeks. Students and families can view grades on Qmlativ via the online portal on Mukilteo School District's website.

Grading Scale

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

COURSE EXPECTATIONS

Students, commit to demonstrate the following:

- RESPECT for yourself, your environment, and the people around you
- Responsibility for the SAFETY of yourself and those around you
- Professionalism and CUSTOMER SERVICE, positively representing our program
- READINESS TO WORK AND LEARN, with appropriate materials, mindset and attitude

Many more specific safety requirements will be demonstrated in class throughout the year, but these policies are at the core of all that we do. We will all live by them together!

Reference the Professional Standards and our school handbook for further information regarding rules and policies. Sno-Isle TECH Skills Center, administered by Mukilteo School District, follows MSD School Board Policies and Procedures.

There are inherent risks involved with any jobsite and/or shop environment, including the Construction Trades program at Sno-Isle TECH. Safety is our utmost concern. Safety training takes place throughout the school year and students are expected to follow all guidelines and join the instructor in promoting a culture that values safety.

Mukilteo School District does not discriminate in any programs or activities on the basis of sex, race, creed, religion, color, national origin, age, veteran or military status, sexual orientation, gender expression or identity, disability, or the use of trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups. The following employees have been designated to handle questions and complaints of alleged discrimination: Civil Rights Coordinator and Title IX Coordinator Bruce Hobert (425-356-1319), hobertbl@mukilteo.wednet.edu, Section 504 Coordinator Lisa Pitsch (425-356-1277), pitschla@mukilteo.wednet.edu, and the ADA/Access Coordinator Karen Mooseker (425-356-1330), moosekerkw@mukilteo.wednet.edu. Address: 9401 Sharon Drive in Everett, WA. Inquiries regarding ADA/Access issues at Sno-Isle TECH Skills Center should be directed to Wes Allen, Director (425-348-2220) allenwr@mukilteo.wednet.edu. Address: 9001 Airport Road in Everett, WA 98204