



# Construction Trades Syllabus

## COURSE INFORMATION

2019-2020 School Year

Credit: 3.0 Credits total

- Up to 1.0 Geometry (Check with counselor for acceptance) Up to 3.0 Elective/CTE/Occ. Ed.

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:**

- Prepare students to gain employment, apprenticeship, and/or acceptance to post-secondary education in the construction industry.
- Help students develop into contributing members of our community and life-long learners, ready to adapt to an ever-changing workforce and global marketplace.

**Course Description:** The Construction Trades program is designed to provide students with the technical skills necessary for entry-level trades positions and includes a strong emphasis on jobsite safety. 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 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](mailto: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:

- Closed-toed shoes (preferably boots), comfortable long pants, work gloves (optional)

## LEARNING OBJECTIVES

- Course Skills, Learning, Practice
- Overview of Construction Industry and Related Fields
- Jobsite Safety
- Units, Measurement
- Hand Tools and Power Tools
- Architectural Drawings
- Wood Materials, Fasteners, Adhesives
- Framing Systems and Components
- Exterior Finishes and Roofing
- Thermal and Moisture Protection
- Exterior Doors and Windows
- Concrete and Reinforcing Materials
- Interior Openings and Finishes
- Sitework
- Green Building Design and Sustainability
- Mechanical, Electrical, Plumbing Systems Interface
- Additive Manufacturing and 3D Printing
- Digital Design and Laser Cutting

### **Certificate Opportunities**

Students may earn certificates in:

CPR / First AID

OSHA 10

Fall Protection Awareness

Precision Exams 21<sup>st</sup> Century Skills

# ASSIGNMENTS AND GRADING

## **Assessment Criteria – Approximate Breakdown**

Employability 40%

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

Assignments 35%

- Daily Work, Skills Practice, Research and Exploration

Assessments 25%

- 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, please 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 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.

## COURSE CALENDAR

Below is a *preview of anticipated events* and milestones throughout the 2019-2020 school year in Construction:

- **Fall:** SP2 online safety curriculum and testing, CPR / First AID training, guest speakers (electrical contractor, general contractor)
- **Winter:** OSHA 10 training, opportunity to participate in the Mariner Craft Fair, guest speakers (Carpenters' Union, CITC, Everett Community College)
- **Spring:** Fieldtrip to the Laborers Training Center in Kingston, Fall Protection Training, Mock Interviews, guest speakers (National Guard, specialty subcontractor, general contractor)

Mukilteo School District complies with federal and state rules and regulations and 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 a trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups. Further, the District recognizes the needs of persons with disabilities, as defined by the Americans with Disabilities Act (ADA) of 1990. The District complies with state and federal accessibility regulations to provide access for our students, staff, parents and guests.

The following individuals have been designated to handle questions or complaints of alleged discrimination: Title IX Officer - Bruce Hobert (425-356-1319), Section 504 Coordinator - Lisa Pitsch (425-356-1277), and the ADA/Access Coordinator - Karen Mooseker (425-356-1330), all located at 9401 Sharon Drive in Everett, WA 98204. Inquiries regarding ADA/Access issues at Sno-Isle TECH Skills Center should be directed to Maggie Bagwell, Director (425-348-2220) at 9001 Airport Road in Everett, WA 98204.