



Diesel and Marine Technology

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|-----------------|------------------------|----------|--|
| Instructor Name | Scott Munsell | Phone # | 360-570-4512 |
| Room # | C-1 | Email | scott.munsell@tumwater.k12.wa.us |
| Office Hours | 1:45 PM-3:00 PM | Web page | http://www.newmarketskills.org/ |

Course Overview:

Students will be provided with hands-on training in multiple areas of the diesel and marine technology field. The Diesel and Marine Technology program will cover a wide variety of topics and will use diesel engines as a focal point. Technical units will include the science of propulsion, navigation and buoyancy, along with basic skills for topics including welding, precision measurement, shop safety, tool use and rigging. Other units will focus on electrical systems, pneumatics, hydraulics and even material science.

Course Objectives:

- Navigation: find latitude and longitude coordinates, plot a course and calculate ETA on a nautical chart.
- Learn nautical terms and diesel engine components.
- Obtain a Washington State boaters education card.
- Tie various knots and splice three strand rope.
- Use measuring devices such as micrometers, calipers, dial indicators, tape measures and squares.
- Use basic hand tools and power tools, such as sockets, ratchets, wrenches, pneumatic impact wrenches, hand drill, jigsaw, and palm sander.
- Properly rig and lift heavy objects with a chain hoist.
- Understand the basic functionality of diesel engines.
- Understand the basic functions of hydraulic and pneumatic systems.
- Welding basics, GMAW (mig) and SMAW (stick).

Food & Drink:

No food or Drink allowed in Shop. Food and Drink in Classroom is permitted as per instructor's discretion.

Student Handbook:

Students are expected to review and follow the school rules, procedures, and processes outlined in the NMSC Student Employability Handbook. New Market Skills Center follows Tumwater School District board policies.

Cheating/ Plagiarism:

Students are expected to complete their own work. Cheating and plagiarism (presenting another person's work as one's own) will not be tolerated.

Electronic Equipment:

Personal electronic devices, including but not limited to, cell phones, iPod, PSP's, mp3 players, cd players can be a disruption to the educational process and are not permitted at school. Students violating the electronics policy can expect:

1st offense – verbal warning

2nd offense – electronic device confiscated until the end of class

3rd offense – sent to the office

Dress Code/Uniform Requirement in Addition to Student Handbook:

Students must wear closed-toe shoes (no sandals) to class. No shorts or dresses. Students will not be permitted to enter the shop area without proper clothing or footwear. Safety glasses must be worn at all times in the shop area. Hearing protection will be worn as needed in the shop area. Safety glasses and hearing protection will be provided.

Safety Policy- Any student not contributing to an environment that encourages safety in all areas will be removed from our working environment.

Grade Scales:

A: 100-93% A-: 92-90% B+: 89-87% B: 86-83% B-: 82-80%
C+: 79-77% C: 76-73% C-: 72-70% D+: 69-67% D: 66-60%
F: 59.9%-below

Please sign and return to the Diesel & Marine instructor.

I have read, understand, and agree to the class rules, grading and expectations outlined in this syllabus.

Student Name (Printed) _____

Student Signature _____

Parent/Guardian Signature _____ Date _____

Communication between parents and staff is extremely important for student success. Please complete the information below and indicate which type of contact you prefer.

Parent Phone# _____

Parent Email _____