



SYLLABUS

Diesel Power Technology

COURSE INFORMATION

- 2021-2022 School Year
- 3.0 High School Credits
 - CTE, Electives
- Session Time, Class Days: Class meets Monday-Friday. Students will attend either half day morning or afternoon.
 - Morning is 7:55-10:25
 - Afternoon is 11:10-1:40.
- **Course Description:** The Diesel Power Technology program is designed to prepare students for an entry level position working with Diesel powered trucks, equipment, boats, and generators. Environmental regulations to lower emissions and increase fuel economy have changed the industry. Our curriculum has been adapted to educate our students to these changes, so they are better able to begin work with the most current knowledge and industry practices. Focusing on technological advances with engines and seven other subject areas, students should expect a blend of discussions, class projects and hands on activities in a real-life shop.
- **Prerequisites:** Interest in the mechanics of diesel power technology, strong work ethic, ability to follow written and verbal instructions, basic math (fractions & decimals), critical thinking skills, team collaboration, and to be self-organized.

INSTRUCTOR INFORMATION

- Brent Delfel
- Office Hours: 7:00-7:40 a.m. and after school by appointment Monday-Friday
- Office Location: Room 213
- Phone: 425.348.2237 (office)
- Email: delfelbr@mukilteo.wednet.edu
- Best Way to Contact me: Email or Text on REMIND

COURSE MATERIALS

- Required Materials: Three-ring binder, paper, writing utensils, coveralls, and over ankle leather boots daily
- Lab Fee: \$50 lab fee provides Safety Certification, 1 pair of Safety glasses, hand cleaner, gloves, ear plugs, shop towels, and shop related chemicals as needed.
- Provided: Tools, specialty equipment, facility, shop vehicles, locker, online repair resources, and 2 textbooks (fines if damaged or lost).

LEARNING OBJECTIVES

1. Further student knowledge in Diesel Power Technology in a rigorous and challenging, hands-on course.
 2. Prepare students for the world of work by presenting them with real-world situations and simulations.
 3. Provide a variety of learning opportunities.
 4. Help prepare students to take a variety of professional technical certifications.
- **Certificate Opportunities:** SP2.org(safety), Air Brakes, GetAhead School, Sno-Isle Certification, Snap On Certificates- hand tool safety, electrical safety, torque theory, electrical torque, mechanical torque, and 504 meter certification

ASSIGNMENTS AND GRADING

- **Assessment Criteria and Grading Policies:** Grades are based on hands-on work skills, group critical-thinking projects, quizzes, and tests.
 - Coursework 20%
 - Professionalism 20%
 - Assessments 20%
 - Hands-on Skills 40%
- **Professionalism Policy:** Professionalism is approximately 20% of a students' overall grade and includes such things as arriving on time, prepared for each day, on task, personal conduct, time management, follow directions, keeping area organized, respect other, dress appropriate for job standards, communication with instructor (employer), no guessing, and ability to get help as needed.
- **Late Work or Make-up Work:** All assigned work must be completed and turned in on-time to receive full credit. Students with special circumstances requiring extra time must be communicated with the instructor for a new due date **prior to the original due date.**

When absent, students must take responsibility to contact instructor and actively seek out missed work.

MSD Grading Scale

A = 94 to 100 %	A- = 90 to 93 %	
B+ = 87 to 89%	B = 84 to 86%	B- = 80 to 83 %
C+ = 77 to 79%	C = 74 to 76%	C- = 70 to 73 %
D+ = 67 to 69 %	D = 64 to 66%	D- = 60 to 63%
NC = 59% and below		

Grading communication: Parents and students can access grades through our online grading system. Grades are updated after every unit, which is approximately every two weeks.

Attendance:

State law (RCW 28A.225.010) and school board policy recognize regular attendance is the basis of success in the classroom. Attendance is especially important at Sno-Isle because of the significant amount of demonstration and hands-on learning that occurs in the classroom setting.

Steps to follow in case of an absence:

1. UNPLANNED: Just as you would in the workplace, students MUST contact the instructor if the student is absent. A phone call or email is required same day for an unexpected absence.
2. UNPLANNED: Parents/guardians MUST follow-up with an email, a phone call, or written documentation with the reason for the absence in order to have an excused absence. ***(Please include student name, date of absence and reason for absence.)***
3. PLANNED: If the absence is planned (like doctor/dentist appointment), please make every attempt to avoid missing class time. If this is not possible, the expectation is the that the student notifies instructor in advance and as soon as possible.

COURSE EXPECTATIONS

- This course is a three-credit course and as such it is expected that everyone will come ready to work from bell to bell.
- Materials are provided by instructor, and some may be provided in an online format.
- Expectations are that every student does every assignment assigned in the program.

Course Calendar

- **1st Quarter:** Classroom work, Safety Models, Emergency Forms, Dress Code, and then start some Shop Time
- **2nd Quarter:** Classroom Work, and more Shop Time
- **3rd Quarter:** Classroom Work, and more Shop Time
- **4th Quarter:** Shop Time

Sno-Isle TECH Skills Center is administered by Mukilteo School District and follows MSD School Board Policies and Procedures.

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 Dan Dizon (425-356-1319), dizonds@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 Everett, WA

