



# SYLLABUS

## Diesel Power Technology Bldg.2

### COURSE INFORMATION

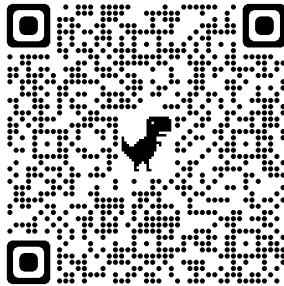
- 2022-2023 School Year
- 3.0 High School CTE Credits
- Class meets Monday-Friday. Students will attend either half day morning or afternoon.
  - AM Session 7:55-10:25
  - PM Session 11:10-1:40.
- **Course Description:** The Diesel Power Technology program is designed to prepare students for an entry 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, Self Motivated, 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](mailto:delfelbr@mukilteo.wednet.edu)
- Best Way to Contact me: Email or Text on Parent Square

## 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 chemicals as needed.
- Provided: Tools, specialty equipment, facility, vehicles, locker, online repair resources, and 2 textbooks (fines if damaged or lost).
- Sno-Isle TECH Skills Center can assist any student with financial relief for needed materials or equipment for this course. We are also able to connect you with resources for barriers to school attendance. Please reach out to me as your instructor, or to any staff member for help. A google form link can also connect you to financial assistance: <https://forms.gle/JTLEc1fAhqbFnTkbA>
- Please ask! (see QR code below for link)



## LEARNING OBJECTIVES

1. Further student knowledge in Diesel Power Technology in a rigorous and challenging, hands-on course.
  2. Prepare students for the workforce by presenting them with real-world diagnostic scenarios and simulations.
  3. Provide a variety of learning opportunities.
  4. Help prepare students for a career, including professional technical classes and 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

## Course Study Areas

- **ELECTRICAL/ELECTRONIC SYSTEMS** (Both Even and Odd Years)
- **DIESEL ENGINES** (Odd Year)
- **SUSPENSION AND STEERING** (Odd Year)

- PREVENTIVE MAINTENANCE INSPECTION (Odd Year)
- DRIVE TRAIN (Even Year)
- **BRAKES** (Even Year)
- HEATING, VENTILATION, & AIR CONDITIONING (Even Year)
- **HYDRAULICS** (Even Year)

## ASSIGNMENTS AND GRADING

- **Assessment Criteria and Grading Policies:** Grades are based on hands-on work skills, group critical-thinking projects, quizzes, and tests. (Total Point calculation as follows)
  - Professionalism & Coursework ~ 40%
  - Assessments ~10%
  - Hands-on Skills ~50%
- **Professionalism Policy:** Professionalism and Coursework are approximately 40% 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 while completing the coursework.
- **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 communicate (per professional standard) 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		

### Academic Honesty and Integrity violations include, but are not limited to:

- 1) **Plagiarizing, copying, or submitting any part of another person's work** (written, visual, or auditory) as representing one's own work.
- 2) **Distribution/Sharing/Receiving of class assignments or test information** in written, electronic, or verbal form to/from another student without teacher permission. Students in physical or electronic possession of unauthorized academic materials,

whether requested/used or not, may be subject to disciplinary action.

- 3) **Using “crib notes”:** Any use of unauthorized notes on tests/assignments (written notes or electronic devices of any kind).
- 4) **Altering or Accessing Official School Documents:** A student shall not alter official school documents, either paper or electronic, or open school documents not specifically addressed to the student.

Suspected and confirmed instances of academic dishonesty will be referred to administration for documentation.

\_\_\_ explicit grading criteria (grading scale and breakdown of grade percentages)

\_\_\_ procedures for submitting work and what to do if that has barriers (i.e broken technology)

\_\_\_ accommodations:

Sno-Isle TECH Skills Center can support accommodations for learning and health needs. The same as your sending school, we need updated paperwork that states what accommodations are needed. Please turn in any updates to your learning and accommodation plans to me or the Study Center staff.

**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 prepared to learn from bell to bell.
- Material is accessible online to all students from the beginning of each unit and includes lecture, video, reading, worksheets, hands-on labs, quizzes, objective tests, and lab tests.
- Expectations are that every student does every assignment assigned in the program, and in exchange, I do not give busywork.

## Course Calendar

- **1<sup>st</sup> Quarter:** Classroom work, Safety Models, Emergency Forms, Dress Code, and then start some Shop Time
- **2<sup>nd</sup> Quarter:** Classroom Work, and more Shop Time
- **3<sup>rd</sup> Quarter:** Shop Time, some Classroom Work
- **4<sup>th</sup> Quarter:** Shop Time (professionalism and time management)

**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 Simone Neal (425-356-1319), [NealSR@mukilteo.wednet.edu](mailto:NealSR@mukilteo.wednet.edu), Section 504 Coordinator Lisa Pitsch (425-356-1277), [PitschLA@mukilteo.wednet.edu](mailto:PitschLA@mukilteo.wednet.edu), and the ADA/Access Coordinator Karen Mooseker (425-356-1330), [MoosekerKW@mukilteo.wednet.edu](mailto: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](mailto:AllenWR@mukilteo.wednet.edu). Address: 9001 Airport Road in Everett, WA 98204.*