

ENGINE MECHANICS II COURSE SYLLABUS

School - Frazee High School

Term - Semester

Teacher - Aaron Boyer

Email aboyer@frazee.k12.mn.us

Course Description - Engine Mechanics course proceeds Engine Mechanics I. Beginning with a review of the fundamentals of engine operation and theory. This course will provide high school students with a deeper hands-on knowledge of internal combustion engines, their components, and their operation. Students will learn: how to measure engine components and recognize tolerances as well as the steps necessary to rebuild engines. Students will learn the physics of engine operation and how it affects performance.

Throughout this course, students will have practical, hands-on activities such as engine disassembly and reassembly, diagnosing mechanical issues, performing basic repairs and learning proper tool use.

By the end of the course, students will have a strong foundational knowledge of engine mechanics, preparing them for further education in Engine Mechanics.

Course Prerequisite - Engine Mechanics 1

Course Materials - Pencil, paper and chromebook

Course Textbook - Jeppesen A&P Technician Powerplant Textbook/other related material

Assistance - Students are encouraged to ask questions during class or to consult me on any concerns relating to their studies. I am free to help students from 7:50 a.m. to 8:15 a.m. most mornings, during my prep period or other times that may be arranged.

Class Delivery Methods - Several methods of instruction will be used, including class lectures, discussions, and hands-on lab work.

Grading Scale and Make-Up Work - Grading scale and the make-up policy for all Frazee High School courses is located in the Student Parent Handbook.

Course Weight - All assessments and participation are 100% summative.

Late Work and Re-assessment - At teacher discretion; acceptance of late work or a re-assessment may occur for full credit, you may be required to complete additional practices or complete another activity.

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