

Course description: A continuation of auto 1. Auto recon is a hands on approach to the automotive industry. Students are allowed to maintain and repair personal vehicles.

Student Expectations:

- Be on time and in class every day
- Participate in the designated daily activity
- Work the entire period on automotive activities and behave in a manner which is conducive to a professional setting
- Remain in the assigned area until the bell rings and you are dismissed
- Make up all missed work (it is up to you to do this)
- No food or drink
- FOLLOW ALL SAFETY RULES AND INSTRUCTIONS
- Take care of out side business before entering the class(rest room, locker, office)

Assignments: Through out the semester there will be a number of in class assignments as well as homework. This is a project oriented class and lab work is a big part of your final grade.

Evaluation process:

- Written tests and quizzes
 - Written assignments and notes
 - In shop projects and assignments
 - Participation
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- Covered shoes are required every day, jeans or pants are suggested. There is locker space in the shop, it is a good idea to bring older clothes and shoes for in the shop classes.

It takes the work of students, parents, and teachers working together to ensure a suitable learning environment. Thank you for your support and feel free to contact me any time at 402-443-4332 ext. 3213 or a kweyers1@esu2.org

Student signature

Parent or guardian signature

Date

Course Content

*This is a tentative out line of the chapters/units that we will cover. This is subject to change based on student progress in class and in the automotive lab. It is possible that all units may not be covered.

Students will read and complete all review questions from each unit. Upon completion of the review questions they will be required to take a chapter quiz.

Unit 1: Safety

Unit 2: Building an engine

Unit 3: Design, construction, application, and engine components

Unit 4: Engine classification and parts identification

Unit 5: Ignition Systems

Unit 6: Fuel injection systems

Unit 7: Fuel supply and carburetors:

Unit 8: Cooling systems

Unit 9: Lubrication Systems

Unit 10: Exhaust Systems

Unit 11: Emissions Systems

Unit 12: Computer systems

Unit 13: Engine Clutches

Unit 14: manual Transmissions

Unit 15: Automatic transmissions

Unit 16: Brakes

Unit 17: Suspension systems

Unit 18: Career opportunities