

NEWMARKET SKILLS CENTER

Program: Automotive Technology AM 2023-2024

Instructor Name	Bryan Christensen ("Mr. C" for Short)	Phone	Office (360)570-4500 Ext 4452 Google Voice (360)358-3325
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Office Hours	2:00 PM-3:00 PM (except Wednesday)	Web Page	www.tumwater.k12.wa.us/Domain/1752

Course Overview:

A Science Technology Engineering and Mathematics (STEM) Enriched Course Scope and Sequence that prepares individuals to engage in the specialized servicing and repair of all types of automobiles. This course includes instruction in the diagnosis of malfunctions, the adjustment or repair, and/or properly replacing of parts, in 4 of the 8 recognized National Institute of Automotive Service Excellence (ASE) certification areas: (A3) Manual Drive Train and Axles, (A5) Brakes, (A1) Engine Repair, and (A6) Electrical/Electronics.

First Semester

Health, Safety, and Protocols	September 6- September 20
Unit 1 Manual Trans and Dive Train/Axles	September 17- November 23
Unit 2 Brakes	November 29- January 28

Second Semester

Unit 3 Engine Repair	February 5 – To be determined
Unit 4 Electrical/Electronics	to be determined

Course Objectives and Units:

Upon successful completion of this course, the student will be able to:

- Distinguish which system needs diagnosis from customer's description of problem at time work order is assigned.
- Formulate the proper order of diagnosis for the system in question.
- Utilize proper diagnostic tools and service repair manuals to make a proper professional diagnosis and proper repair required in a timely manner.
- Demonstrate proper techniques to verify repair when completed.
- Demonstrate a working knowledge of nomenclature for tools and equipment they are instructed to use.
- Demonstrate proficiency in the use of online repair manuals for maintenance schedules, repair procedures, and labor guides to perform tasks.
- Demonstrate the proper use of tools and equipment for maintenance and repair of vehicles.

Industry Certification/Employment Outlook:

Automotive technicians are presently in high demand and will be into the beginning of the next decade. Certification is available through technology/community colleges or factory training through dealerships.

Course Supplies:

Students will receive a pair of Occupational Safety and Health Administration (OSHA) approved safety glasses, a flashlight, and two (2) work shirts. Students will need to return these items to the school at the end of this school year or when unenrolled from this course, whichever comes first. Students can also purchase these items outright.

Grade Scale:

Percent	Letter Grade	Percent	Letter Grade
100-94	A	79-77	C+
93-90	A-	76-73	C
89-87	B+	72-70	C-
86-83	B	69-67	D+
82-80	B-	66-60	D
59-50= F			

Skills: 50% workmanship, 50% professionalism

Lab Science: 20% practice modules, 40% quizzes, 30% tests, 10% ASE Entry Level Tests

Employability: 60% attendance and participation, 40% self-advocacy and pacing

Redo Policy

Students can retake Electude modules for additional practice before taking the companion quiz. *Students must score a 70 % on a module before the quiz is unlocked.*

Quizzes will be cleared if score is under 60 % the first attempt. All quizzes are open book and module. Electude Chapter test retakes are arranged between student and Mr C.

Homework Policy

The course is paced to provide students plenty of time to complete all assigned tasks. Students who get off task while here at New Market are expected to make up the time on their own time.

Food & Drink

Permitted in classroom area for breakfast and lunch. *The deli is a privilege and its availability to students is at the instructor's discretion.*

Leadership

See AST Program of Work (Leadership)

Additional Policies and Course Requirements

Students must pass C-Car Safety/Pollution Prevention Modules and Quizzes to enter the shop (Must be completed by end of class September 20, 2023). Failure to do so may result in student's removal

NMSC Expectations & Policies – 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. Rules will not be reprinted in the syllabus.

Cheating/Plagiarism

Students are expected to do their own work. Cheating and Plagiarism (presenting another writer's work as one's own) will not be tolerated.

Electronic Equipment

Personal electronic devices, including but not limited to, cell phones, iPods, 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 – told to secure in locker.

2nd offense – confiscated and given to administration for parent/guardian to retrieve.

Parents please refrain from calling/texting during class hours (7:50-10:20).

Dress Code/Uniform Requirement in Addition to Student Handbook

No shorts, pants with holes, open toed shoes, slick soled shoes, or tank tops permitted.

Safety Policy

Students must follow best practices as learned in SP2 course and hands on safety training on equipment and tools. Failure to do so may result in disciplinary referral.

Students and guardians must complete, sign, and return page 7

Please sign and return to instructor

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

Student Name (Printed) Student Signature Date

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 Cell # _____ Student Cell# _____

Parent Email _____

Student Email _____