**East Brunswick Magnet School**

**Automotive Technology Course Syllabus**

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**Course description:**

The Automotive Technology is a four-year program designed to prepare the student for entry into the automotive repair industry with a strong foundation of the fundamental knowledge and necessary hands on experience that will make them a successful and desirable technician. This course will introduce the student to all facets of the automotive repair industry focusing on a minimum of four certification content areas, Job Safety and proper work attitude is incorporated throughout instruction.

**Course Objectives:**

Students will gain a thorough knowledge of safe use and care of tools and equipment used in the automotive field, Automotive systems testing and inspection, As well as research and documentation.

Second and third year students become more focused on automotive brake system diagnosis and repair. Automotive steering and suspension systems diagnosis and repair, and automotive electrical and electronic systems followed by engine performance and drivability diagnosis and repair in the students fourth year. Successful completion of the NATEF Certification Maintenance and Light Repair (MLR) exam is required for graduation.

**Texts:**

Modern Automotive Technology textbook

Automotive Encyclopedia textbook

Auto Brakes ASE Certification textbook

Auto Suspension & Steering ASE Certification textbook

Auto Electricity and Electronics Technology ASE Certification textbook

Auto Engine Performance ASE Certification textbook

NATEF lab manuals

**Required Materials:**

Students will supply a notebook and writing implement to be used for class

Students will supply a hard-soled work shoe for use in the shop

Students will have proper shop attire long pants and a shirt that can get soiled

Students will be responsible for signed out or intentionally damaged equipment

The school will provide safety glasses and a locker.

**Evaluation and Grading Policy:**

During the course of the marking period, the student will be subject to the following minimum assignments: textbook homework assignments, quizzes, tests, and one essay or report assignment. Additional written assignments may be added during any of the four marking levels. Daily hands on performance based tasks.

TESTS AND QUIZZES …………………………………...………………………20%

HOMEWORK AND WRITTEN ASSIGNMENTS ………………………..20%

SHOP PARTICIPATION AND CLEAN UP…………………………………60%

**Class Policies and Rules of Conduct:**

* Students will come to class on time and fully prepared (this includes notebook, pencil or pen, safety glasses and proper shop attire)
* Students will complete all assignments and tasks and be graded accordingly
* Students will adhere to the attached assignment format
* Students will wear safety glasses at all times when in work area
* All students will take turns maintaining tool room
* Only licensed drivers will move vehicles into or around the shop with permission
* All students will participate in clean up at the end of the shop period
* Students will not operate any equipment he or she has not been properly instructed.
* Cell phones and electronic devices are not to be used in the classroom or the shop
* Students will not use vulgar or profane language
* Class computers will be used for auto shop or school related purposes only
* All shop safety protocols must be followed
* Students will comply with all attendance policies set by the Middlesex County Magnet School system
* Proper attire includes safety glasses, hard-soled work shoes, long pants, no hanging jewelry, rings, or bracelets. Hair tie when required.
* Fighting, Verbal Abuse, Hazing, Theft, or Vandalism will not be Tolerated
* Any violation of shop rules may result in additional studies (book work / written assignments) additional cleanup tasks, additional tool room duties, or loss of opportunity to work on personal projects, any further correction required will be referred to an administrator with possible removal from the program depending on the severity of the offense.

The instructor has explained these course requirements to me, and I intend to assume my responsibility as a student to comply.

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DATE Student signature Parent or Guardian Signature