



**COURSE SYLLABUS ~ AUTOMOTIVE BASIC**  
**Career and Technical Education Department (CTE)**  
**S. P. Waltrip High School**  
**1900 West 34<sup>th</sup> Street ~ Houston, Texas 77018**  
**[www.houstonisd.org/waltrip](http://www.houstonisd.org/waltrip)**

**Instructor:** Mr. Killam  
**Contact information:** [kkillam@houstonisd.org](mailto:kkillam@houstonisd.org) ~ Office Phone 713-688-1361 ext 015208  
**Room** 1114  
**Conference Period:** 8th  
Course : Automotive Basic /Energy & Power  
**Prerequisite:** Principles, Transportation & Distribution  
**Certification:** ASE

**Course Description**

This course trains students to perform a variety of automotive services. These include engine tune-up, the electrical system, fuel system, brakes, vehicle maintenance, alignment and tire service, engine rebuilding, heating and air conditioning, emissions system, exhaust and drive train service. First level will concentrate on safety, shop awareness and orientation and minor automotive issues. Second and third level students will focus on a more in-depth study of the areas listed above.

**Course Objective**

Students in this course will be taught entry level skills needed to be successful in the automotive repair business as well as skills needed to be successful in some post-secondary educational programs. A priority to place students in the work place the second half of their third level is also an option for some students.

**Course Requirements**

Students will follow a curriculum based on the guidelines of 'the Automotive Service Excellent or [ASE] This curriculum is presented in a task list format which the student will adhere to as required by ASE

**Criteria for Assessing Student Performance:**

Students will be graded on shop-based projects, homework, as well as quiz and test grades, again based on ASE recommendations.

**Materials**

Pen, Pencil, Paper, work clothes, safety glasses (one new pair will be issued)

**Attendance and Participation**

Attendance and participation are required; new material is being presented daily as well as collaborative activity projects. It is your responsibility to see me, check the board/HUB or check with a partner if you are absent from class.

**Grading System**

Participation	50%
Major	30%
Daily	20%

**Late Work:**

Assignments that are not turned in on-time are considered late work. A late assignment will not receive full credit; 20 points will be deducted.

**Textbooks, / Cengage Curriculum Related Readings:**

The current text in use is Cengage MindTap, inspection, maintenance and repair with an accompanying lab manual of the same name. Also, various articles and related magazines are included during the course of study.

Tutorials: Tuesday and Thursday 7:30-8:15