



# *John H. Reagan High School*

*Enabling our students to realize great heights*

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www.jhreagan.org

## Internal Transportation Services Course Syllabus 2009 – 2010

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Instructor: Mr. **Len Preston**

Email: **lpreston@houstonisd.org**

Room# # **V103&105**

Tutorials: **N/A**

**Conference:** 7<sup>th</sup>.Period

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### Course Overview

**COURSE DESCRIPTION:** This course of study consists of an introduction to the automotive industry including automotive history, career possibilities, safety practices, shop equipment and tools, vehicle subsystems and other related publications, fasteners, professional responsibilities, and basic automotive maintenance.

**Prerequisite:** Only students in 10-12<sup>th</sup>. Grade

### General Expectations

Utilizing appropriate safety procedures, the student will demonstrate familiarity with historical development and career information on the automotive industry. Demonstrate the proper use of shop equipment and tools, identify and describe functions of the vehicles subsystems, demonstrate the use of service publications, identify various automotive fasteners used in the industry, perform basic automotive maintenance tasks.

### Required Texts/Materials

**Textbook:** Modern Automotive Technology by P. E. Duffy

### Course Outline

- Course will focus on chapters 1-16 in the textbook students will receive a lecture and power-point presentation on each followed by weekly quizzes and the completion of workbook exercises.
- Students will be required to utilize Melior a computer based automotive related inter-active teaching aid to reinforce their learning and assessment on chapters 1-16 in the textbook.
- Occasionally students will be allowed to attend minor maintenance type training in the automotive shop since this course does not require lab.
- Students are required to read each chapter answer and discuss questions in a group setting before completing the corresponding workbook exercises.
- To help students prepare for TAKS tests they will be requested to watch two films pertaining to the automotive industry and write a paper on what they learned in watching the film compared

to what's going on in the auto industry today. They will be graded on spelling grammar and sentence/paragraph structure.

- Each student is required to take a quiz on shop safety and score 100% before they are allowed entering the automotive shop.

### **Grading**

Grading will be maintained and computed by the use of Grade Speed, implemented by the Houston Independent School District [HISD] beginning the 2009/2010 school year. This district wide computer based grading program will allow communication to parents and students from the school instantly, access to all information pertaining to a student's progress throughout the school year. The grade will be derived as follows;

• Quizzes and workbook exercises	15%
• Automotive paper 1	15%
• Automotive paper 2	15%
• Mid Term Exam	25%
• <u>Final Exam</u>	<u>30%</u>
<b>Total</b>	<b>100%</b>