

Auto Upkeep Correlation Matrix for Automotive Basics

Texas Essential Knowledge and Skills for Career and Technical Education



Transportation, Distribution, and Logistics

Auto Upkeep Resources: <http://www.AutoUpkeep.com/standards>

TEKS Resources: <http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130p.html>

§130.447. Automotive Basics (One Credit)



(a) General Requirements

This course is recommended for students in Grades 9-12. Students shall be awarded one credit for successful completion of this course.

(b) Introduction

(1) Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.

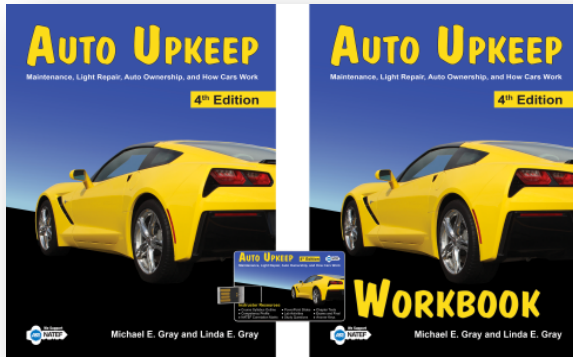
(2) The Transportation, Distribution, and Logistics Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

(3) Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

(4) Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

(5) Statements that contain the word "including" reference content that must be mastered, while those containing the phrase "such as" are intended as possible illustrative examples.

Auto Upkeep Textbook, Workbook, and Resource USB Flash Drive cover 100% of TEKS for Automotive Basics



(c) Knowledge and skills.

(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:

(A) demonstrate knowledge of the technical knowledge and skills related to health and safety in the workplace such as wearing safety glasses and other personal protective equipment (PPE) and maintaining safety data sheets (SDS);

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| | Ch 1 Introduction and How Cars Work |
| 1 | Ch 2 Buying an Automobile |
| 2 | Ch 3 Automotive Expenses |
| 3 | Ch 4 Repair Facilities |
| 4 | Ch 5 Safety Around the Automobile |
| 5 | Ch 6 Tools and Equipment |
| 6 | Ch 7 Auto Care and Cleaning |
| 7 | Ch 8 Fluid Level Check |
| 8 | Ch 9 Electrical System |
| 9 | Ch 10 Lubrication System |
| 10 | Ch 11 Fuel System |
| 11 | Ch 12 Cooling System and Climate Control |
| 12 | Ch 13 Ignition System |
| 13 | Ch 14 Suspension, Steering, and Tires |
| 14 | Ch 15 Braking System |
| 15 | Ch 16 Drivetrain |
| 16 | Ch 17 Exhaust and Emission System |
| 17 | Ch 18 Alternative Fuels and Designs |
| 18 | Ch 19 Automotive Accessories |
| 19 | Ch 20 Common Problems and Roadside Emergencies |
| 20 | Appendix |

