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| **TEXAS CTE LESSON PLAN**  [www.txcte.org](http://www.txcte.org) | |
| **Lesson Identification and TEKS Addressed** | |
| **Career Cluster** | Transportation, Distribution & Logistics |
| **Course Name** | Automotive Technology ll: Automotive Service |
| **Lesson/Unit Title** | Safety and Rules in the Workplace |
| **TEKS Student Expectations** | **130.450. (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  safety glasses and other personal protective equipment (PPE)  and safety data sheets (SDS)  (F) discuss response plans to emergency situations  (G) identify employers' expectations and appropriate work  habits, ethical conduct, legal responsibilities, and good  citizenship skills  (4) The student knows the functions and applications of the tools,  equipment, technologies, and materials used in automotive  technology. The student is expected to:  (A) demonstrate the proper and safe use of hand and power tools and equipment commonly employed in the maintenance and repair of vehicles;  (B) discuss and demonstrate the proper handling and disposal  of environmentally hazardous materials used in servicing  vehicles |
| **Basic Direct Teach Lesson**  (Includes Special Education Modifications/Accommodations and  one English Language Proficiency Standards (ELPS) Strategy) | |
| **Instructional Objectives** | **Students will…**   * Develop a safety law to address a specific workplace situation. * Develop a list of safety rules for each piece of equipment. * Develop laboratory management guidelines that promote a safe working environment. |
| **Rationale** | The Automotive Technology II: Automotive Service course includes applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability skills. |
| **Duration of Lesson** | 5 45-minute periods |
| **Word Wall/Key Vocabulary**  *(ELPS c1a,c,f; c2b; c3a,b,d; c4c; c5b) PDAS II(5)* | * Federal Register * Promulgating * PPE * Hazards * Control * Mitigate * OSHA * Hazmat * Right to know |
| **Materials/Specialized Equipment Needed** | OSHA rules <http://www.osha.gov/law-regs.html>   * Samples of employee safety manuals. * Samples of business and industry safety manuals. |
| **Anticipatory Set**  (May include pre-assessment for prior knowledge) | Read this preface to the Occupational Safety & Health Act of 1970:  **Public Law 91-596, December 29, 1970 with amendments through January 1, 2004**  *“To assure safe and healthful working conditions for working men and women; by authorizing enforcement of the standards developed under the Act; by assisting and encouraging the States in their efforts to assure safe and healthful working conditions; by providing for research, information, education, and training in the field of occupational safety and health; and for other purposes.*  *Be it enacted by the Senate and House of representatives of the United States of America in Congress assembled, that this Act may be cited as the “Occupational Safety and Health Act of 1970.”*  What is the difference between a rule and the law?   * A law is a directive that has been passed by an elected body. * A rule is intended to provide direction and guidance in following that law.   Do you know anyone that has been involved in an accident at work? Could it have been avoided?  You are not invincible or immortal – be careful and watch for hazards in your home and workplace. |
| **Direct Instruction \*** | * Discuss and demonstrate skills related to health and safety in the workplace such as safety glasses and other personal protective equipment (PPE) and safety data sheets (SDS). * Discuss and show examples of emergency response plans. * Identify employers' expectations regarding safe and appropriate work habits, ethical conduct, legal responsibilities, and good citizenship skills. * Discuss and/or demonstrate the proper handling and disposal of environmentally hazardous materials used in servicing vehicles. |
| **Guided Practice \*** | **Students will…**  Read, interpret and apply Texas Eye Safety Code. |
| **Independent Practice/Laboratory Experience/Differentiated Activities \*** | **Students will…**  Develop a classroom safety manual. |
| **Lesson Closure** | Discuss and review workplace safety and/or LP activities. |
| **Summative/End of Lesson Assessment \*** | **Students will…**  Present manual to appropriate public audiences. |
| **References/Resources/**  **Teacher Preparation** | * Bureau of Labor Statistics * OSHA * TWCC – safety tips * National Safety Council <http://shop.nsc.org/Default.aspx> |
| **Additional Required Components** | |
| **English Language Proficiency Standards (ELPS) Strategies** |  |
| **College and Career Readiness Connection[[1]](#footnote-1)** | Science 1 C 2/3  Cross-disciplinary 1 C 1 |
| **Recommended Strategies** | |
| **Reading Strategies** |  |
| **Quotes** |  |
| **Multimedia/Visual Strategy**  **Presentation Slides + One Additional Technology Connection** |  |
| **Graphic Organizers/Handout** |  |
| **Writing Strategies**  **Journal Entries + 1 Additional Writing Strategy** |  |
| **Communication**  **90 Second Speech Topics** |  |
| **Other Essential Lesson Components** | |
| **Enrichment Activity**  (e.g., homework assignment) |  |
| **Family/Community Connection** |  |
| **CTSO connection(s)** | SkillsUSATexas |
| **Service Learning Projects** |  |
| **Lesson Notes** |  |

1. Visit the Texas College and Career Readiness Standards at <http://www.thecb.state.tx.us/collegereadiness/CRS.pdf>, Texas Higher Education Coordinating Board (THECB), 2009. [↑](#footnote-ref-1)