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| **TEXAS CTE LESSON PLAN**  [www.txcte.org](http://www.txcte.org) | |
| **Lesson Identification and TEKS Addressed** | |
| **Career Cluster** | Law, Public Safety, Corrections, and Security |
| **Course Name** | Firefighter I |
| **Lesson/Unit Title** | Fire Protection Career Opportunities |
| **TEKS Student Expectations** | **130.334. (c) Knowledge and Skills**  (5) The student applies laws, ordinances, regulations, and rules as defined by the Texas Commission on Fire Protection Certification Curriculum Manual to perform duties within a set of rules or protocols.  (E) The student is expected to describe responsibilities of a firefighter as required by the National Fire Protection Association 1500 Standard on Fire Department Occupational Safety and Health Program. |
| **Basic Direct Teach Lesson**  (Includes Special Education Modifications/Accommodations and  one English Language Proficiency Standards (ELPS) Strategy) | |
| **Instructional Objectives** | The student will be able to:   * Identify career opportunities in public and private fire service sectors * Explain the duties and responsibilities of firefighting jobs in the fire service * Explain the duties of non-firefighting jobs in the fire service |
| **Rationale** | The fire service has many career opportunities available to the student. There are careers in public and private sectors, as well as the military, and state and federal governments. This lesson will help students make an informed decision about those choices. |
| **Duration of Lesson** | Teacher’s Discretion |
| **Word Wall/Key Vocabulary**  *(ELPS c1a,c,f; c2b; c3a,b,d; c4c; c5b) PDAS II(5)* |  |
| **Materials/Specialized Equipment Needed** | **Materials**   * Internet access * College and career planning guides (career cruising) * Firefighter professional journals and magazines * Discussion Rubric * Presentation Rubric |
| **Anticipatory Set**  (May include pre-assessment for prior knowledge) | Use the following questions for class discussion. What is the mission of the fire service? Is there anyone in the class who is related to or has met a firefighter? What are some examples of other fire service jobs besides firefighter? Use the Discussion Rubric for assessment. |
| **Direct Instruction \*** | 1. Public Sector Jobs:    1. Firefighter Trainee – personnel being closely supervised in a learning environment, and working towards firefighter certification; typically receives less pay and fewer benefits than a regular firefighter    2. Probationary Firefighter – personnel, having completed certification requirements, being observed for a prescribed probationary period prior to standard entry-level employment with a fire department    3. Firefighter (municipal) – standard entry-level position with a fire department    4. Firefighter (federal) – standard entry-level position with a fire department    5. Driver/Engineer/Fire Suppression Technician – fire personnel tasked with the responsibility of getting fire apparatus to and from an emergency scene, as well as operating the pumping and aerial systems built into the apparatus    6. Company Officer – supervises a company in the station and at fires and other emergencies    7. Firefighter Paramedic – provides advanced life support (ALS) for the victims of accidents, fires, or illnesses    8. Wildland Firefighter – responds to fires in outdoor vegetation such as mountains, deserts, and national forests    9. ARFF Firefighter – performs general duties related to airport operations and aircraft safety    10. Hazardous Materials Specialist – handles hazardous materials and chemical, biological, radiological, nuclear, or explosive (CBRNE) emergencies 2. Non-firefighting Jobs:    1. Fire Prevention Specialist – checks building plans to ensure compliance with national, state, and local fire and life safety codes and ordinances    2. Dispatcher/Telecommunicator – Under supervision, receives emergency and nonemergency telephone and radio calls, dispatches equipment, and operates computer-aided dispatch systems, and does other dispatch related work    3. Fire Inspector – inspects occupancies to ensure compliance with national, state, and local fire and life safety codes and ordinances    4. Investigator (cause/origin/arson) – investigates fires and makes judgments based on physical evidence at the fire scene to determine the cause and origin of a fire; further investigates fires determined to be arson    5. Training Officer/Training Chief – administers all fire department training activities    6. Fire Safety Educator – makes presentations and conducts classes for targeted audiences to inform them about fire hazards, fire causes, precautions, and actions to take during a fire 3. Private Sector Jobs:    1. Firefighter – employed by private sector employers for plant protection. Oftentimes, they are not employed primarily as firefighters. They may receive training in SCBA and basic fire service methodology and perform firefighting duties when required.    2. Industry – fire service employment as loss prevention specialists and safety consultants conducting property inspections and employee training programs    3. Fire Protection Systems Engineer – designs system specifications and installation standards. These jobs typically require advanced degrees, usually a bachelor’s or master’s degree.    4. Fire Protection System Maintenance Specialist – conducts annual fire extinguisher inspections and service requirements. They also inspect and maintain fixed fire protections systems and equipment, including sprinkler systems, standpipe systems, computer room applications, and other special system needs.    5. Inventors and Innovators – design and invent innovative equipment and techniques to meet the needs of the fire service. A background in firefighting or fire technology can help an inventor assess the needs of the industry.   *Individualized Education Plan (IEP) for all special education students must be followed. Examples of accommodations may include, but are not limited to:*  none |
| **Guided Practice \*** | Take a field trip to a public or private sector fire service employer, such as a military base, municipal fire department, or local industry. Have students take notes and then discuss the experience afterward. Use the Discussion Rubric for assessment.  *Individualized Education Plan (IEP) for all special education students must be followed. Examples of accommodations may include, but are not limited to:*  none |
| **Independent Practice/Laboratory Experience/Differentiated Activities \*** | Have students research the career pathways in the fire service. This can be done with a web search or by contacting local fire protection service employers for information. Then have students create computer-based presentations of the results. Use the Presentation Rubric for assessment.  *Individualized Education Plan (IEP) for all special education students must be followed. Examples of accommodations may include, but are not limited to:*  none |
| **Lesson Closure** |  |
| **Summative/End of Lesson Assessment \*** | Firefighter Career Opportunities Quiz and Key  *Individualized Education Plan (IEP) for all special education students must be followed. Examples of accommodations may include, but are not limited to:*  For reinforcement, students will participate in peer teaching (mentoring) and team learning; participate in guided research and note taking; keep journals (key words and definitions). |
| **References/Resources/**  **Teacher Preparation** | 1418001775, *Introduction to Fire Protection* (3rd edition)*,* Klinoff, Robert |
| **Additional Required Components** | |
| **English Language Proficiency Standards (ELPS) Strategies** |  |
| **College and Career Readiness Connection[[1]](#footnote-1)** | **English Language Arts**   1. Speaking   B. Develop effective speaking styles for both group and one-on-one situations.   * + 1. Plan and deliver focused and coherent presentations that convey clear and distinct perspectives and demonstrate solid reasoning. |
| **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) | For enrichment, students will compare and contrast public and private sector fire careers using Venn diagrams; interview a firefighter or other fire protection service employee about their career choice and experience. |
| **Family/Community Connection** |  |
| **CTSO connection(s)** | SkillsUSA |
| **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)