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|  | **Fairfax County Fire and Rescue Department**  **Academy Training Lesson Plan** |
| Training Date/Time: **September 11, 2012 (1900 – 2100)** |
| Students Enrolled: **17** |
| Training: Level I Fire Extinguishers |
| Lead Instructor(s): |
| Assistant Instructors: |

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| Preparation | Set up laptop.  Ensure presentation is loaded and working appropriately.  Ensure video link is working.  Write Math problems on dry erase board or flip chart.  Obtain example extinguishers for classroom to include water can, dry chem, and CO2.  Provide Assistant Instructors with a copy of the lesson plan. |
| Lecture | Lecture is estimated to take about 40 minutes. |
| Break | 10 minute break for students between lecture and practical. |
| Practical Preparation | During lecture, assistant instructors are to:  Wear appropriate PPE for set up and utilize appropriate lifting techniques.  Establish a safety hose line where the Kiddie Fire Extinguisher Trainers (Trainers) will be set up. Equipment needed:  Hydrant wrench  Hydrant gate  2.5” to 1.5” reducer  2 sections of 1.75” hose  Combination nozzle  Set up two Trainers outside of the high bay door.  Ensure Trainers are appropriately placed away from exposures and each other.  Set up safety cones (minimum of eight cones; two for each Trainer and four to block bay door).  Safety cones should be placed as a stop point for students so that they don’t get too close as they are not wearing PPE.  Place cones at a safe distance, but close enough for students to effectively use the extinguisher.  Test each Trainer to ensure they are working properly.  Obtain fire extinguishers (1 of each type per 2 students). Please note that provides ½ of an extinguisher per student.  **9 CO2 extinguishers**  **9 Dry Chemical extinguishers**  **9 Water cans**  Place CO2 and dry chem extinguishers in a safe location for students to easily grab for the practical exercise.  Place water cans near hose area for students to practice filling a water can. |
| Practical Demonstration | Instructor will demonstrate how to fill a water can. |
| Practical Exercise | Students will meet by the hose/ice machine inside the high bay.  Students will practice filling a water can.  When completed, instruct the students will squeegee the floor. |
| Practical Demonstration | Instructors must wear appropriate PPE for live fire demonstrations.  One instructor will set the Trainer on fire.  One instructor will describe the PASS method of using each fire extinguisher. This instructor will then demonstrate the use of each extinguisher using the PASS method. Remind students they can set the CO2 extinguisher on the ground and PASS from that location. |
| Practical Exercise | Instructors will work in teams of two:  One instructor will be in charge of Trainer with regard to ignition and safety.  One instructor will assist the student in using the PASS method of extinguishing the fire.  Two lines will be set up; one for each Trainer.  Each student will have a turn at practicing the PASS method for each type of fire extinguisher. Each student will not use an entire extinguisher. Keep the used extinguisher with the instructor until completely discharged. This will prevent multiple partially filled extinguishers.  The instructor in charge of the Trainer will remove finger from button to ensure the student stops in a timely manner so that enough is left in the extinguisher for a second student.  After each type of extinguisher has been practiced; the lead instructor will ask to ensure all students have gone.  Order of practical exercise will be (water can should be last to assist in clean up):   1. Practice with the CO2 extinguisher 2. Practice with the Dry Chem extinguisher 3. Practice with the water can   When the student has demonstrated the appropriate skill, the instructor in charge of the Trainer will remove finger from the button to appear the fire has gone out.  After the last student has gone, Trainers will be turned off and given a chance to cool.  Lead instructor will confirm that everyone had a turn with each type of extinguisher.  Lead instructor will ask if students have additional questions. |
| Practical  Clean up | Inform students they will be putting away the extinguishers and provide directions to them.  Full CO2 and dry chemical extinguisher will go the in the storage container.  Empty CO2 and dry chemical extinguishers need to be placed just inside the bay door on the right hand side (opposite of the apparatus by the interior tower).  Water cans need to be fully emptied.  Empty water cans are placed on the landing above the ice machine next to the hose tower. One instructor should go to this location to ensure correct placement of water cans and safe lifting.  Students will put away remaining extinguishers.  Instructor in charge of Trainer will ensure it has cooled appropriately.  Instructors working in their teams of two will:  Empty the Trainer  Clean Trainer using hose line  Disassemble Trainer  Return Trainer to proper location  Hose down ground to clear away any remaining debris/chemicals.  Clean up hose line and replace equipment. |