South Carolina CTE

Firefighter II (2014): Grades 10, 11, 12

Adopted 2014

Fire Department Communications	1. **Describe the components of on-scene communications.** A.1 2. **Describe the types of information gathered by post-incident reports.** A.2 3. **Create an incident report.** A.3
Building Construction	1. **Explain the hazards related to a building's construction.** B.1 2. **Recognize the factors that influence the potential of a structural collapse.** B.2
Scene Lighting, Rescue Tools, Vehicle Extrication, and Technical Rescue	1. **Inspect, service, and demonstrate procedures for maintaining generators and lighting equipment.** C.1 2. **Describe the types, uses, and limitations of rescue tools and equipment.** C.2 3. **Identify the role of a fire department during vehicle extrication.** C.3 4. **Describe safety considerations that must be identified and mitigated during vehicle extrication.** C.4 5. **Explain the use of cribbing material during vehicle extrication.** C.5 6. **Describe the methods used for gaining access to victims during vehicle extrication.** C.6 7. **Describe the role of the Firefighter II during various types of technical rescue operations.** C.7 8. **Explain the unique hazards associated with each type of technical rescue operation.** C.8 9. **Prevent movement of a vehicle using stabilization techniques. - Stabilize a vehicle using wheel chocks. - Stabilize a vehicle using cribbing. - Stabilize a vehicle using lifting jacks. - Stabilize a vehicle using ropes and webbing. - Stabilize a vehicle using a tension system. ** C.9

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	10. Remove and safely manage vehicle glass. - Remove a windshield. - Remove a tempered glass side window. C.10
	11. Remove a vehicle roof and door. - Remove a door and roof from a vehicle. - Remove the roof from a vehicle on its side. C.11
	12. Displace a vehicle dashboard. C.12
Fire Hose	1. Describe the safety considerations taken when service testing a fire hose. D.1
	2. Service test a fire hose. D.2
Fire Streams	1. Describe the methods by which firefighting foam prevents or controls a hazard. E.1
	2. Identify and explain foam concentrates and factors that impact selection. E.2
	3. Describe methods by which foam may be proportioned. E.3
	4. Explain the advantages and disadvantages of various foam proportioners, delivery devices, and generating systems. E.4
	5. Identify causes of poor foam production. E.5
	6. Perform various foam application techniques. E.6
	7. Extinguish a flammable liquid fire. E.7
Fire Control	1. Describe considerations taken when coordinating fireground operations. F.1
	2. Command, control, and coordinate a structure fire. F.2
	3. Discuss the process of establishing and transferring Command. F.3
	4. Describe hazards that may be present at fires in underground spaces. F.4
	5. List safety precautions to be taken at flammable/combustible liquid fire incidents. F.5
	6. Recognize methods used when coordinating operations at a property protected by a fire suppression system. F.6
	7. Explain ways to use water to control Class B fires. F.7
	8. Perform methods used to suppress bulk transport vehicle fires and flammable gas incidents. F.8
Fir	Describe evidence indicating the area of origin or fire cause. G.1

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	2. **Explain the roles and responsibilities of responders and investigators involved in fire investigations.** G.2
	3. **Explain the legal implications of the location and collection of evidence during a fire investigation.** G.3
	4. **Protect evidence of fire cause and origin.** G.4
Fire Protection Systems	1. **Describe fire alarm systems.** H.1
	2. **Identify alarm initiating devices.** H.2
	3. **Explain how automatic sprinkler systems work.** H.3
	4. **Describe standpipe and hose systems.** H.4
Fire And Life Safety Initiatives	1. **Describe the role of a Firefighter II in planning for and conducting private dwelling fire safety surveys.** I.1
	2. **Explain the components and audience considerations when developing and giving a fire and life safety presentation. (** I.2
	3. **Develop and give a fire and life safety presentation and fire station tour. - Develop and give a fire and life safety presentation. - Conduct a fire station tour. ** I.3
	4. **Prepare and conduct a pre-incident planning survey. - Conduct a fire safety survey. - Prepare a pre-incident planning survey. ** I.4