

Firefighting 1

(8705 - 36 weeks)

Firefighting 1 (8705/36 weeks) FF

- 1 Demonstrate creativity and innovation. FF.1

- 2 Demonstrate critical thinking and problem solving. FF.2

- 3 Demonstrate initiative and self-direction. FF.3

- 4 Demonstrate integrity. FF.4

- 5 Demonstrate work ethic. FF.5

- 6 Demonstrate conflict-resolution skills. FF.6

- 7 Demonstrate listening and speaking skills. FF.7

- 8 Demonstrate respect for diversity. FF.8

- 9 Demonstrate customer service skills. FF.9

- 10 Collaborate with team members. FF.10

- 11 Demonstrate big-picture thinking. FF.11

- 12 Demonstrate career- and life-management skills. FF.12

- 13 Demonstrate continuous learning and adaptability. FF.13

- 14 Manage time and resources. FF.14

- 15 Demonstrate information-literacy skills. FF.15

- 16 Demonstrate an understanding of information security. FF.16

- 17 Maintain working knowledge of current information-technology (IT) systems. FF.17

- 18 Demonstrate proficiency with technologies, tools, and machines common to a specific occupation. FF.18

- 19 Apply mathematical skills to job-specific tasks. FF.19

-
- 20 Demonstrate professionalism.** FF.20
-
- 21 Demonstrate reading and writing skills.** FF.21
-
- 22 Demonstrate workplace safety.** FF.22
-
- 23 Examine aspects of planning within an industry/organization.** FF.23
-
- 24 Examine aspects of management within an industry/organization.** FF.24
-
- 25 Examine aspects of financial responsibility within an industry/organization.** FF.25
-
- 26 Examine technical and production skills required of workers within an industry/organization.** FF.26
-
- 27 Examine principles of technology that underlie an industry/organization.** FF.27
-
- 28 Examine labor issues related to an industry/organization.** FF.28
-
- 29 Examine community issues related to an industry/organization.** FF.29
-
- 30 Examine health, safety, and environmental issues related to an industry/organization.** FF.30
-
- 31 Identify the purposes and goals of the student organization.** FF.31
-
- 32 Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.** FF.32
-
- 33 Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.** FF.33
-
- 34 Identify Internet safety issues and procedures for complying with acceptable use standards.** FF.34
-
- 35 Identify the types of work-based learning (WBL) opportunities.** FF.35
-
- 36 Reflect on lessons learned during the WBL experience.** FF.36
-
- 37 Explore career opportunities related to the WBL experience.** FF.37
-
- 38 Participate in a WBL experience, when appropriate.** FF.38
-
- 39 Identify common causes of death in the fire service.** FF.39
-
- 40 Identify causes of back injuries and methods for preventing them.** FF.40
-
- 41 Identify slip, trip, and fall injuries and methods for preventing them.** FF.41

-
- 42 Outline the physical fitness standards for firefighters.** FF.42
-
- 43 Identify classroom safety rules and procedures.** FF.43
-
- 44 Define <i>risk management</i>.** FF.44
-
- 45 Identify the features of conducting an organized rapid escape.** FF.45
-
- 46 Identify procedures to follow when an entrapment occurs.** FF.46
-
- 47 Identify the importance of the NFPA standards to the fire service.** FF.47
-
- 48 Identify first-aid terms and abbreviations.** FF.48
-
- 49 Demonstrate techniques for controlling bleeding.** FF.49
-
- 50 Demonstrate methods for detecting and caring for those in shock.** FF.50
-
- 51 Care for those with the various classifications of burns.** FF.51
-
- 52 Demonstrate treatment for musculoskeletal injuries.** FF.52
-
- 53 Demonstrate treatment for environmental emergencies.** FF.53
-
- 54 Identify the types, symptoms, and treatments of poisoning.** FF.54
-
- 55 Demonstrate care for conscious and unconscious patients until proper care arrives.** FF.55
-
- 56 Assess scene safety for the rescuer and the patient.** FF.56
-
- 57 Demonstrate removal of a foreign body airway obstruction.** FF.57
-
- 58 Demonstrate one- and two-rescuer CPR.** FF.58
-
- 59 Operate an automated external defibrillator (AED).** FF.59
-
- 60 Demonstrate rescue breathing.** FF.60
-
- 61 Define the firefighter,Äôs function and responsibilities.** FF.61
-
- 62 Write a mission statement for the fire service.** FF.62
-
- 63 Describe the history of the fire service.** FF.63
-
- 64 Outline the organizational structure of the fire service.** FF.64
-
- 65 Describe the effects of the Civil Rights Act of 1991 and the Americans with Disabilities Act (ADA) on the employment and supervision of firefighters.** FF.65
-
- 66 List rules and laws that regulate the fire service.** FF.66

-
- 67 Identify standard operating procedures (SOPs) and standard operating guides (SOGs) in the fire service.** [FF.67](#)
-
- 68 Develop an organizational chart for the National Incident Management System (NIMS).** [FF.68](#)
-
- 69 List the allied agencies that assist with fire department operations.** [FF.69](#)
-
- 70 Describe employee assistance programs.** [FF.70](#)
-
- 71 Compare engine, truck, and rescue/squad company operations and responsibilities.** [FF.71](#)
-
- 72 Define *fire* and its characteristics.** [FF.72](#)
-
- 73 Describe the fire tetrahedron and its importance in the suppression of fire.** [FF.73](#)
-
- 74 Identify sources of heat energy.** [FF.74](#)
-
- 75 Describe the burning process, the transmission of heat, and the products of combustion.** [FF.75](#)
-
- 76 Explain key terms related to fire behavior.** [FF.76](#)
-
- 77 Identify the conditions that require the use of SCBA and full PPE.** [FF.77](#)
-
- 78 Identify the components of SCBA and PPE.** [FF.78](#)
-
- 79 Demonstrate proper use, inspection, and maintenance of SCBA and PPE.** [FF.79](#)
-
- 80 Demonstrate emergency procedures in the event of SCBA malfunction or failure.** [FF.80](#)
-
- 81 Define the relationship between PPE and national standards and regulations.** [FF.81](#)
-
- 82 Don and doff PPE within the recommended guidelines of the NFPA.** [FF.82](#)
-
- 83 Describe building construction methods and materials.** [FF.83](#)
-
- 84 Define the five types of building construction and their associated hazards.** [FF.84](#)
-
- 85 Predict a fire's growth and development according to type of building construction.** [FF.85](#)
-
- 86 Identify indications of potential building collapse and collapse-zone evacuation procedures.** [FF.86](#)
-
- 87 List procedures for citizens to report an emergency.** [FF.87](#)

-
- 88 Describe the local fire department, its emergency response procedures.** FF.88
-
- 89 Identify methods of receiving reports.** FF.89
-
- 90 Describe business and personal phone procedures.** FF.90
-
- 91 Perform radio communications.** FF.91
-
- 92 Identify the value of and need for protective systems to help preserve life and property.** FF.92
-
- 93 Identify types, components, and valve types of sprinkler systems.** FF.93
-
- 94 Halt the flow of water from an automatic sprinkler head.** FF.94
-
- 95 Describe the methods used to return a sprinkler system to service.** FF.95
-
- 96 Identify standpipe systems and connections.** FF.96
-
- 97 Describe the value of sprinkler systems to on-the-scene firefighting.** FF.97
-
- 98 Locate sprinkler connections.** FF.98
-
- 99 Describe types and uses of fire streams and hoses.** FF.99
-
- 100 Operate various fire streams.** FF.100
-
- 101 List the fundamental components of a modern water system.** FF.101
-
- 102 List causes of friction loss in water mains.** FF.102
-
- 103 Compare wet-barrel and dry-barrel hydrants.** FF.103
-
- 104 Operate a hydrant.** FF.104
-
- 105 Describe alternative static water sources.** FF.105
-
- 106 Connect a fire department pump to a water supply.** FF.106
-
- 107 Describe the procedures for loading and off-loading a mobile water supply apparatus.** FF.107
-
- 108 Identify techniques for rolling, repacking, and deploying hose lines.** FF.108
-
- 109 Identify use and maintenance of a fire hose.** FF.109
-
- 110 Describe fire-extinguishment theory.** FF.110
-
- 111 Outline fire-suppression techniques and measures.** FF.111

-
- 112** Describe utility control and rescue operations involving electrical hazards. [FF.112](#)
-
- 113** Describe the classifications of fire and their corresponding extinguishment methods. [FF.113](#)
-
- 114** Identify types of foam for fire suppression. [FF.114](#)
-
- 115** Demonstrate the suppression of Class A and Class B fires, using a hose line. [FF.115](#)
-
- 116** Demonstrate the suppression of Class A, B, and C fires, using portable fire extinguishers. [FF.116](#)
-
- 117** Identify the types and ratings of portable fire extinguishers. [FF.117](#)
-
- 118** Identify the extinguishment theory for fighting wildland fires. [FF.118](#)
-
- 119** Identify ladder types, parts, and safety features. [FF.119](#)
-
- 120** Perform ladder carries. [FF.120](#)
-
- 121** Perform ladder raises. [FF.121](#)
-
- 122** Describe maintenance, cleaning, and inspection procedures for ladders. [FF.122](#)
-
- 123** Differentiate between types of ropes and knots. [FF.123](#)
-
- 124** Demonstrate the types of knots required for hoisting or securing. [FF.124](#)
-
- 125** Describe maintenance, cleaning, and inspection functions for life-safety and utility rope. [FF.125](#)
-
- 126** Identify types of forcible entry tools. [FF.126](#)
-
- 127** Demonstrate methods for forcing windows and doors. [FF.127](#)
-
- 128** Describe maintenance, cleaning, and inspection functions for forcible-entry tools. [FF.128](#)
-
- 129** Describe methods, components, and considerations of forcible entry. [FF.129](#)
-
- 130** Identify hazards associated with types of rescue situations. [FF.130](#)
-
- 131** Demonstrate victim-extrication, victim-lifting, and victim-movement processes. [FF.131](#)
-
- 132** Conduct primary and secondary searches in a structure. [FF.132](#)
-
- 133** Describe the need for ventilation at a fire scene. [FF.133](#)

-
- 134** Identify the types of ventilation. [FF.134](#)
-
- 135** Demonstrate methods for creating horizontal, vertical, mechanical, and hydraulic ventilation. [FF.135](#)
-
- 136** Set up portable power plants and lighting equipment. [FF.136](#)
-
- 137** Describe salvage and overhaul needs and techniques. [FF.137](#)
-
- 138** Describe the need for evidence preservation. [FF.138](#)
-
- 139** Identify methods for legally securing a building after emergency operations are complete. [FF.139](#)
-
- 140** Demonstrate use of salvage covers to protect property. [FF.140](#)
-
- 141** Describe maintenance, cleaning, and inspection functions for salvage and overhaul. [FF.141](#)
-
- 142** Identify basic HAZMAT standards and resources for handling an incident. [FF.142](#)
-
- 143** Identify hazardous materials that may be involved in terrorist attacks. [FF.143](#)
-
- 144** Describe procedures for responding to a terrorist attack. [FF.144](#)
-
- 145** Explain the programs, actions, and services that prevent the loss of life and property associated with fire and other risks to the community. [FF.145](#)
-
- 146** Deliver a fire-safety education presentation. [FF.146](#)
-
- 147** Research NFPA certification options and regional education opportunities. [FF.147](#)