



Celebrating 100 Years of Career Readiness

2018-2019 Pilot Technical Skills Assessment

Fire Science

Statewide Question Level Results

Pilot Assessment: Idaho Fire Science	Avg. Score
Number tested: 44	
CONTENT STANDARD 1.0: RELATE ACADEMIC FOUNDATIONS TO ACHIEVE SKILL REQUIREMENT	77.27%
Performance Standard 1.1: Apply Concepts of Language Arts Knowledge	79.55%
Standard 1: 1.1.1. Model behaviors that demonstrate active listening.	79.55%
Performance Standard 1.2: Apply Concepts of Mathematics Knowledge	80.68%
Standard 2: 1.2.2. Demonstrate knowledge of arithmetic operations.	72.73%
Standard 3: 1.2.3. Formulate data and measurements to solve a problem.	88.64%
Performance Standard 1.3: Apply Concepts of Science Knowledge	76.24%
Standard 2: 1.3.2. Apply scientific method in qualitative and quantitative analysis.	25.00%
Standard 3: 1.3.3. Recognizer elements and their various states of matter.	84.09%
Standard 5: 1.3.5 Describe transmission of heat.	76.14%
Standard 6: 1.3.6 Explain various states of "fuel	77.27%
Standard 7: 1.3.7 Outline the classification of fire - A,B,C,D,K.	85.61%
Standard 9: 1.3.9 Describe factors that affect fire development.	88.64%
Standard 10: 1.3.10 Describe fire control theory.	77.27%
CONTENT STANDARD 2.0: DEMONSTRATE THE USE OF COMMUNICATION	81.82%
Performance Standard 2.1: Select and Employ Appropriate Reading and Communication Strategies	95.45%
Standard 2: 2.1.2 Demonstrate the ability to read and fully comprehend a written document.	95.45%
Performance Standard 2.3: Create Verbal and Nonverbal Behaviors	68.18%
Standard 4: 2.3.4. Exhibit public relations skill.	68.18%
CONTENT STANDARD 3.0: DEMONSTRATE PROBLEM SOLVING AND CRITICAL THINKING	63.64%
Performance Standard 3.1: Utilize Thinking Skills Independently and As a Team	63.64%
Standard 3: 3.1.3. Identify alternatives using problem solving and critical thinking skills.	63.64%
CONTENT STANDARD 4.0: USE OF INFORMATION TECHNOLOGY TOOLS	65.91%
Performance Standard 4.2: Organize and Manipulate Tasks	65.91%
Standard 4: 4.2.4. Facilitate group work through delegation and management.	65.91%
CONTENT STANDARD 5.0: IDENTIFY KEY ORGANIZATIONAL SYSTEMS	79.55%
Performance Standard 5.1: Describe the Scope of Departmental Organizations.	79.55%
Standard 3: 5.1.3. Explain the history of the fire service industry.	86.36%
Standard 4: 5.1.4. Describe the fire service industries mission, organizational structure including chain of command, apparatus, crews, and duties.	90.91%
Standard 6: 5.1.6 Complete Incident Command System (ICS) and the National Incident Management System (NIMS) 100, 200, 700 and 800.	61.36%
CONTENT STANDARD 6.0: UNDERSTAND THE IMPORTANCE OF HEALTH, SAFETY AND THE ENVIRONMENT	66.75%
Performance Standard 6.1: Implement Personal and Departmental Safety Regulations.	65.78%
Standard 1: 6.1.1. Assess workplace conditions with regard to safety and health.	69.09%

Standard 2: 6.1.2. Identify safety hazards.	13.64%
Standard 3: 6.1.3. Select appropriate personal protective equipment.	86.36%
Standard 4: 6.1.4 Employ safety hierarchy and communication systems.	52.27%
Standard 5: 6.1.5 Implement safety precautions to maintain safe workplace.	77.27%
Standard 6: 6.1.6 Meet industry health and fitness qualifications and standards.	75.00%
Standard 7: 6.1.7 Demonstrate the care of personal protective equipment (PPE).	52.27%
Standard 9: 6.1.9 Identify the components of a self-contained breathing apparatus (SCBA).	75.00%
Standard 10: 6.1.10 Describe respiratory hazards as well as when SCBA shall be "used	88.64%
Standard 12: 6.1.12 Explain principles of air management consistent with NFPA 1404.	13.64%
Performance Standard 6.3: Employ Emergency Procedures and Disaster Response Plans	75.00%
Standard 6: 6.3.6 Use a portable fire extinguisher safely; pull, aim, squeeze and sweep (PASS) method of application.	93.18%
Standard 7: 6.3.7 Explain how to inspect a portable fire extinguisher.	56.82%
CONTENT STANDARD 7.0: UNDERSTAND THE IMPORTANCE OF ETHICS AND LEGAL RESPONSIBILITIES.	73.38%
Performance Standard 7.1: Apply Ethical Reasoning to Workplace Situations.	66.67%
Standard 1: 7.1.1 Understand legal responsibilities and employer policies.	65.91%
Standard 2: 7.1.2 Identify personal and long-term workplace consequences for unethical behaviors.	68.18%
Performance Standard 7.2: Interpret Written Agency Policies and Procedures	78.41%
Standard 1: 7.2.1 Demonstrate understanding of departmental policies and procedures.	89.77%
Standard 4: 7.2.4 Compare annual firefighter injuries and fatalities data for potential policy and procedural changes.	50.00%
Standard 5: 7.2.5 Identify safety standards related to fire services, such as National Fire Protection Association (NFPA) 1500 and Occupational Safety and Health Administration (OSHA).	84.09%
CONTENT STANDARD 8.0: DEMONSTRATE FIRE SUPPRESSION TACTICS AND EQUIPMENT	57.75%
Performance Standard 8.1: Employ Water Supply Theory	43.64%
Standard 1: 8.1.1 Describe and perform sources of water supplies and water theory.	56.82%
Standard 2: 8.1.2 Explain different means of moving water, including friction loss, appliances and fire service hose.	34.09%
Standard 4: 8.1.4 Describe suppressing class A, B, C, D, and K fires.	59.09%
Performance Standard 8.2: Understand Concepts of Company Operations	61.71%
Standard 2: 8.2.2 Describe and demonstrate engine, ladder and rescue company functions on fires.	25.00%
Standard 3: 8.2.3 Describe and demonstrate the reasons for fire ground ventilation.	75.00%
Standard 4: 8.2.4 Define and perform the proper procedures and care for fire service ground ladders.	70.45%
Standard 5: 8.2.5 Describe the reasons and types of forcible entry.	62.50%
Standard 6: 8.2.6 Describe the reasons and types of salvage operations.	57.95%
Performance Standard 8.3: Apply Concepts of Additional Tactics and Techniques	62.50%
Standard 2: 8.3.2 Describe reasons and procedures for vehicle extrication.	77.27%
Standard 3: 8.3.3 Apply to concepts of live fire training (when possible).	50.00%
Standard 5: 8.3.5 Meet requirements to sign off as completed from the Firefighter Manipulative Skills Manual.	45.45%