

**BORDER
CHALLENGE
FIRE FIGHTER
SEARCH & RESCUE
MAZE
2018**

Fire Fighter Search and Rescue Rules

Purpose: To encourage public service students to develop the physical and sensory skills to conduct a successful search of an area under simulated zero visibility conditions.

Competition Limits: 2- Two person Teams per school
May be two male, two female or coed teams

Description: Team competitors will don full personal protective equipment (bunker gear includes: helmet, gloves, hood, coat, trousers, boots, SCBA, Blacked out goggles) conduct a primary search of the maze area to rescue a baby as fast as they can. Time starts when the competitor is given orders to begin the rescue and stops when the baby is successfully rescued from the maze area. Additional seconds will be subtracted from competition time by correctly identifying equipment encountered while conducting the search in the maze.

Equipment: Each competitor will supply their **OWN** firefighting personal protective gear, (bunker gear includes: helmet, gloves, hood, coat, trousers, boots including pants, coat, helmet, gloves) They will be given a pair of (blacked out) goggles to wear during the event and a Self Contained Breathing Apparatus (SCBA) Competitors will be shown items carried and used by firefighters, 5 of which are placed into maze at beginning of event.

1. pick head axe
2. flat head axe
3. haligan bar
4. hydrant wrench (local AHJ wrench, ratchet, collarless)
5. spanner wrench (1 ½", 2 ½", 5")
6. flashlight
7. portable radio
8. thermal imaging camera
9. sprinkler wedge
10. rope or webbing

Maze Requirements: The maze will consist of a path not less than 75 feet and no more than 125 feet travel distance to the point of the infant. This distance does not include total distance(one way only). The maze shall have a starting point that is a door, door frame and consist of at least two 90 degree turns and not more than five 90 degree turns. Every effort shall be made to use existing walls to create a portion of the maze. Walls, rooms and corridors

may consist of tables, placed onto their sides, forming a 4 foot to 6 foot wide path. There shall be at least one dead in corridor, one confined space turnaround, and a minimum of a 12' by 12' open area where an extensive search may be conducted. Obstacles may be used in the maze that are relevant to construction features or household items that may be found in a residence or business occupancy.

Rules and procedures: Competitors will don all personal protective firefighting gear, goggles, and self-contained breathing apparatus. Time starts when the judge gives the order to begin the search. The firefighter must feel the door (or simulated door) and state, "checking the door for heat conditions." The firefighter then enters the maze and begins searching for the victim. Any and all equipment is identified and verbalized by the firefighter throughout the maze while searching for the baby. Upon identifying all equipment and finding the baby, the firefighter exits the maze. Time stops when firefighter exits the maze with the baby.

After completing the maze, the firefighter will be given 2 minutes to list all of the items found while in the maze if they have not already been noted. At the end of the 2 minutes, or when all the items are successfully identified, 4 seconds will be deducted for each of the tools **correctly** identified. This will be subtracted from the teams time in the maze to determine the total time for the team.

Awards will be given for thee fastest team who successfully rescued the baby from the maze.

Equipment needed:

Firefighting personal equipment to include SCBA

Firefighting tools listed

A baby doll

20 @ 8' tables or equivalent

Door props or duct tape to mark entrance and exit

2 Stop watches

Score sheets

JUDGES RATING SHEET

Firefighter Search and Rescue Course Score and Penalty Sheet

Contestant Name: _____

Time in maze: _____

Penalties:

Failure to assess entry door for heat (+10) _____

Deviating from search pattern (+5) _____

Moving items in maze (+5 per infraction) _____

Reckless technique (+10) _____

Items identified: (-4 seconds per item) _____

(list items used on back of sheet) Automatic

Disqualification:

- Removal of any personal protective equipment while in maze
- Standing up or failing to conduct a search pattern while in maze
- Damaging the maze
- Communicating any information about the maze or its contents to the contestant during the event
- Stop the team after 20 minutes has lapsed and advise them that they have begun there exit from the fire area as this simulates adequate air supply.

Note to Judges:

Judges will have final decision.

Specific guidance on what type of search pattern to conduct are not allowed.

Judge:: _____ Date: _____ Time: _____

Firefighter Search and Rescue Course

Judges Winners Sheet

1st Place

SCHOOL: _____

STUDENTS: _____

2nd Place

SCHOOL: _____

STUDENTS: _____

3rd Place

SCHOOL: _____

STUDENTS: _____

