

Hand to Hand Enjin School

Agenda

The goals of the course will be:

For Students to gain an understanding of line advancement through a structure

For Students to gain knowledge and understanding of non-preconnected stretches from an Engine

For Students to gain an understanding of efficient operations maximizing staffing for tasks at hand.

For Students to understand water supply and apparatus operations to maximize their efficiency at the pump panel and hydrant.

To be able to perform and understand basic pump and engine operations to ensure fleet readiness.

Day 1

AM

Lecture/Welcome

Classroom 1 hour: Fire streams and exponential engine concept presentation. Review of fire behavior, fire streams, hydraulics, nozzles, hose and apparatus. Introduction to the exponential engine purpose, frame work and process.

Equipment and techniques 1.5 hours: Hands on, nozzle flow and handling demonstration, comparison and technique practices.

Hose Deployments and stretches 1 hour: Denver Fold, Minuteman bundles, 2 1/2" Trunk Lines and bell reducers

Lunch 1 3/4" 150 GPM 1.5 hours: 3 hands on stations using 1 3/4 hand line .5 hours each

Halls and corners

Doors and corners

Advancing up and flowing from stairs **2 1/2" 300 GPM 1 hour:** 2 hands on stations of 2 1/2" with 1 3/16" Smooth Bore .5 hours each

Exterior knock down and advance single firefighter

Interior flow and advance- Nozzle FF and back up FF **Master Stream 600 GPM 1 hour:** 2 stations with 1 1/2" smooth bore engine master stream

Arrival and 1st floor knock down

Arrival and 3rd floor knock down

Closing .5 hours: Opportunity to retry skills, compare or discuss equipment or apparatus set up

Day 2

Note – Instructor may change the lessons or activities. Course goals and objective will remain the same.

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AM

- Flow and move with 1 ¾
- Targeting 1 ¾/Team Stretch with complex turns and obstacles
- Equipment Setup/Testing/Procurement

PM

- 2.5 Targeting/Extension for attic fire with 1.75
- 2.5 Flow and Move
- Long Stretches (Wyes and Reducers)
- Vertical Stretches (Trunk lines, rope, drop lines)

Day 3

AM

- Pump maintenance (Backflushing, troubleshooting pump issues)
- Apparatus Maintenance (Trouble shooting, failure areas, air brake lesson etc.)
- Humat Valves/Reverse Lay
- Pumping multiple Lines (Different diameters etc., This could also re-emphasize the skills attained in Day 1 and 2)

PM

- Long Line Drill Two Teams
- First In Drill (FE/Search/Advancement)
- First Alarm Drill (Two Lines/three room fire)

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