



# Housing Fire Safety

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# Housing Fire Safety

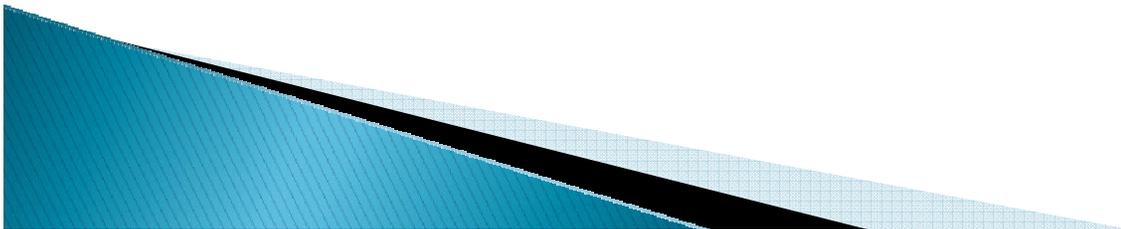
## ▶ Dormitory Fire Statistics

- U.S fire departments responded to an estimated annual average of 3,300 dormitory fires in 2002–2005
- These fires resulted in annual averages of:
  - 7 civilian deaths
  - 46 civilian fire injuries
  - \$25 million in direct property damage
  - 72% (annual avg.) of the fires involved cooking equipment
  - 7% (annual avg.) trash fires
  - 4% (annual avg.) arson

❖ Leading cause of dormitory fatalities: Smoking materials!

# Housing Fire Safety: Fire Drills

- Each residence hall must conduct at least three fire drills per semester. These drills should not be announced and all occupants must evacuate the building immediately each time the fire alarm sounds. Disciplinary action will be taken if a student does not evacuate the building.



# Fire Alarm Systems/Equipment

- ▶ The misuse of fire alarms, fire detection devices, or fire extinguishers constitutes a serious offense. Any resident who misuses such equipment or devices will be subject to prosecution and disciplinary action.
- ▶ There are smoke detectors in each room/apartment, in the corridors, and in other common areas.



# Housing Fire Safety

## Candles, Incense & Prohibited Materials

- Candles and incense are a fire hazard and are not permitted in the residence halls or apartments. Flammable materials such as gasoline, paint thinner, and oil lamps are not permitted within the residential facilities. Propane grills, fireworks, live Christmas trees, firearms, and ammunition are also prohibited. Fire safety codes require strict compliance with these regulations.



# Housing Fire Safety

In your building, know the location of:

1. The nearest exit.
2. A secondary route of escape.
3. The location of fire extinguishers.
4. The location of fire alarm pull stations.
5. Your designated assembly area



# Housing Fire Safety

## Never:

- Smoke in bed. On campus, smoking is only allowed in your personal vehicle.
- Burn candles.
- Block open a fire door.
- Leave food cooking on a stove unattended
- Ignore a fire alarm.



# Housing Fire Safety

## In the event of a fire:

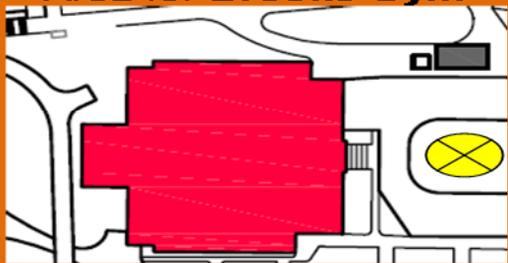
- Leave the building immediately
  - If smoke is encountered during egress, do not walk upright ...crawl. The air is cooler and less toxic nearer the floor.
  - Never use an elevator.
  - If smoke is present in a stairwell, avoid it. Choose another route
  - If your clothes catch fire...stop, drop, and roll to extinguish the flames.
  - Recap: If a fire is encountered, call public safety(911 or 94480) and pull the manual pull station. Then attempt to extinguish the fire if it is small. If the fire is too large, leave quickly, closing doors behind you.
- 



## Evacuation Information

- Become familiar with the evacuation diagrams located in the hallways throughout the building to identify your nearest evacuation route.
- Remain calm; follow emergency guidelines and directions given by emergency personnel.
- If the fire alarm has been activated, go to the nearest stairwell or exit door and leave the building immediately.
- Assist disabled persons out of the building. In the event a person with a disability cannot be immediately evacuated from the building, he or she should be directed to the nearest stairwell landing to await the arrival of emergency personnel. ETSU Campus Police and/or the Johnson City Fire Department must be notified immediately upon arrival, identifying the location of the individual.
- Go to the Designated Assembly Area as indicated below.
- Do not re-enter the bldg. unless directed by emergency response officials.

### Designated Assembly Area for Brooks Gym



# Emergency Procedures

## East Tennessee State University

### Fire

- If fire or smoke is discovered, notify the fire department or Public Safety immediately by dialing 9-1-1 or 9-4480.
- Go to the nearest stairwell or exit door and leave the building immediately.
- Pull the fire alarm as you leave the building.
- Do not use the elevators!
- Assist disabled persons out of the building. If unable to exit the bldg. due to severe mobility impairment, he or she should be directed to the nearest stairwell landing to await the arrival of emergency personnel. Campus Police and the Johnson City Fire Department must be notified immediately upon arrival, identifying the location of the individual.
- Go to the Designated Assembly Area.
- Do not re-enter the bldg. unless directed by emergency response officials.

### Severe Weather

#### During a Tornado Warning

- Move to a basement, or
- First floor interior hallway, or
- Restroom or other enclosed small areas away from large class areas.
- Get under sturdy furniture.
- Stay away from windows.
- If caught outside, crouch in a nearby ditch or close to the ground.

#### During a Severe Thunderstorm Warning

- Immediately go inside for protection.
- Stay away from windows, water faucets and other plumbing fixtures.
- Do not use telephone, television, or computers since lightning can travel through connecting wiring.
- If outside – stay away from tall trees and other objects that are likely to be struck by lightning.
- If caught in an open field, crouch in a ditch or close to the ground.

### Hazardous Materials Release

- Evacuate
  - Leave spill area immediately.
  - Remove personnel from danger of spill.
  - Alert other building occupants.
- Confine
  - Block area to unnecessary personnel.
  - Use doors to contain vapors.
  - Shutdown ventilation systems where possible.
  - Use hood to exhaust vapors.
- Notify
  - Public Safety@911 or 9-4480,
  - Facilities Management@9-7900,
  - and Environmental Health & Safety Office@9-6028.

Follow instructions of emergency personnel.

### Power Outage

- For information about a prolonged outage, go to [www.etsu.edu](http://www.etsu.edu) for an ETSU alert, or listen to your radio at WETS-FM, 89.5, for up-to-the minute information.
- Help co-workers in darkened areas move to safe locations.
- Unplug personal computers.
- Take personal belongings if instructed to leave the building.
- Secure any hazardous materials or equipment before leaving.

### When You Hear Campus Warning Sirens

- Listen carefully!
  - Follow all instructions.
- If you cannot hear the message being broadcast across the campus emergency system:
  - Get to a computer and go to [www.etsu.edu](http://www.etsu.edu) for an ETSU alert, Or
  - Listen to your radio at WETS-FM, 89.5, for up-to-the-minute information, Or
  - Check your email or cell phone for a GoldAlert Emergency Text Message.

# Fire Extinguisher Training



# Fire Extinguisher Training



# HOW FIRES ARE CLASSIFIED

## CLASS A:

Ordinary combustibles such as wood, paper, cloth, rubber and some plastics.



## CLASS B:

Flammable or combustible liquids such as gasoline, kerosene, paint, paint thinner and diesel



# Cont. Classification of Fires



**CLASS C:**  
Energized electrical equipment,  
such as appliances,  
Switches, panel boxes and power  
tools.



**CLASS D:**  
Certain combustible metals, such  
as magnesium,  
Titanium, potassium and sodium.

# Fire Extinguisher Compatibility



Ordinary  
Combustibles



Flammable  
Liquids



Electrical  
Equipment



Ordinary  
Combustibles



Flammable  
Liquids



Electrical  
Equipment



Old Style  
Designations

Newer Picture  
Designations

# Fire Extinguishers



CO<sub>2</sub>



Dry  
Chemical

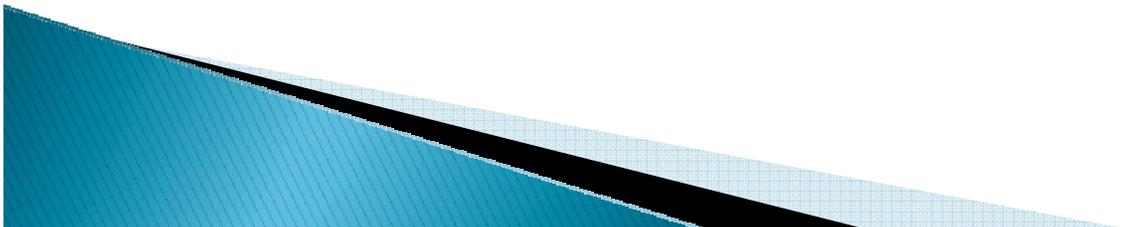


Cleanguard

- Are intended to protect you and minimize property damage.

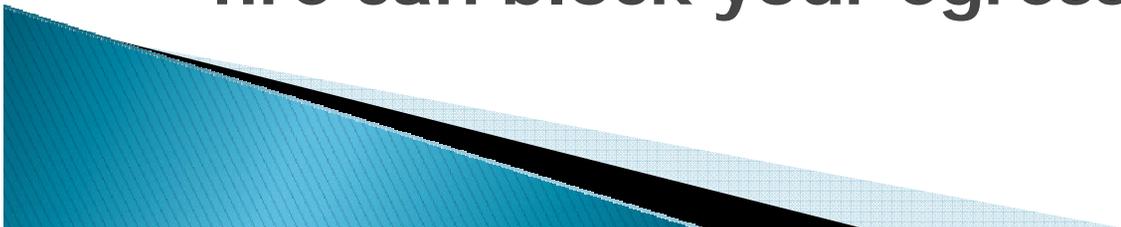
# Where can I find a fire extinguisher?

- In fire extinguisher cabinets in the corridors of residential facilities
- In the corridors of academic and office bldgs.
- In or immediately outside all laboratories where chemicals are stored and used.
- In or immediately outside mechanical spaces where motorized or other equipment is present which might reasonably cause a fire.



# Fire Extinguisher Use

- ▶ If you are comfortable with the idea of using a fire extinguisher, and the fire is confined to a small area and is not quickly spreading, then you should attempt to put out the fire.
- ▶ Be sure you have an unobstructed escape route to which the fire will not spread. Don't place yourself in a position where the fire can block your egress.



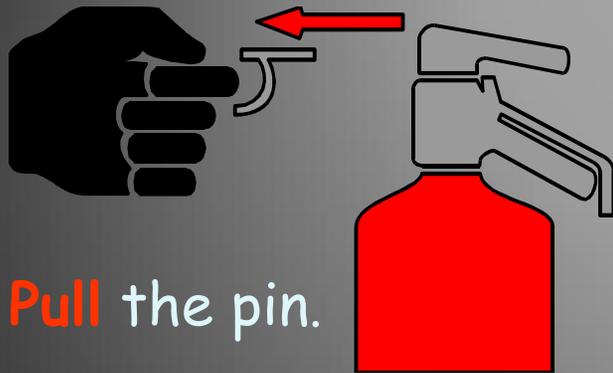
# Fire Extinguisher Training



**You are not  
expected  
to be firefighters!  
Do not take  
unnecessary risks!**

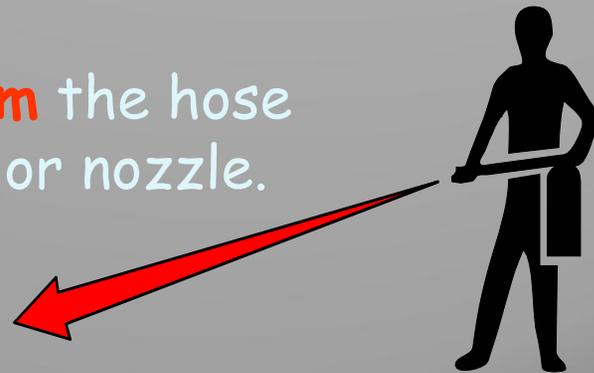


# P.A.S.S.

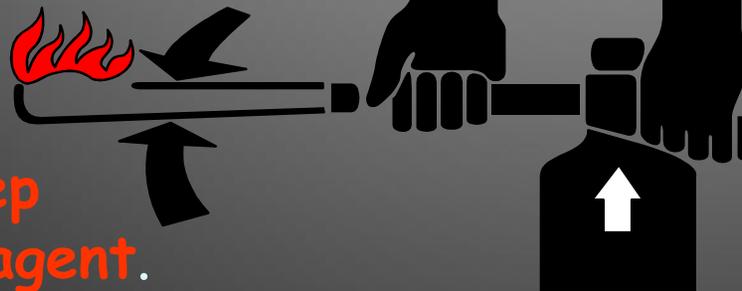


Pull the pin.

Aim the hose or nozzle.



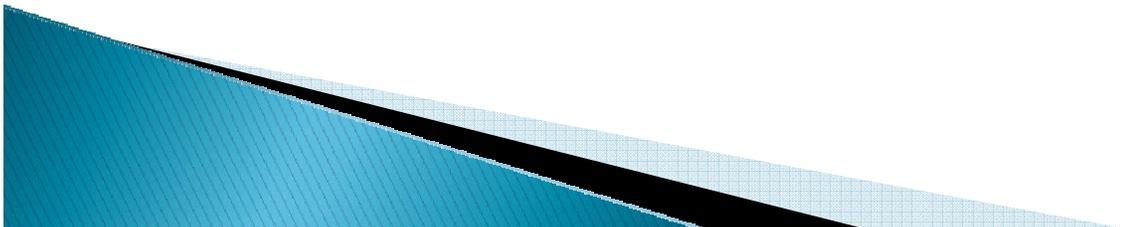
Squeeze the lever.



Sweep the agent.

# Don't Forget!

- ▶ Pull the pin
- ▶ Aim the nozzle
- ▶ Squeeze the trigger
- ▶ Sweep the hose or nozzle  
back and forth



# Outdoor Burn Exercise

- ▶ We'll conduct a training evolution with one person at a time.
- ▶ You'll extinguish 2 or 3 fires, however many you can extinguish until your air pressure runs out.
- ▶ Don't start using the extinguisher until I tell you to start. The evolution is precisely timed and I'll give your extinguishment time after each evolution.

# Housing Fire Safety

Thank You  
For Your  
Time!

Any Questions?

