

## Training



# Emergency Procedures

If there is a fire in your building, please proceed to the nearest exit and leave in an orderly manner.

Remain outside until you are given the all clear by the fire or police department.



# Emergency Equipment & Exits

In your building, know the location of:

1. The nearest exit.
2. A secondary route of escape.
3. The location of fire



# Portable Fire Extinguisher Training

## What we are going to Learn:

- ✓ What "fire" is.
- ✓ Classifications of fire.
- ✓ Leading fire causes.
- ✓ Fire prevention.
- ✓ Importance of portable fire extinguishers
- ✓ Types of portable fire extinguishers.
- ✓ How to use a portable fire extinguisher.
- ✓ Making the "right" decision.
- ✓ Reporting an emergency.

# Portable Fire Extinguisher Training








What is Fire?

A rapid chemical reaction.

The self-sustaining process of rapid oxidation of a fuel, which produces heat and light.

# Portable Fire Extinguisher Training

CLASSES OF FIRES	TYPES OF FIRES	PICTURE SYMBOL
<b>A</b>	Wood, paper, cloth, trash & other ordinary materials.	
<b>B</b>	Gasoline, oil, paint and other flammable liquids.	
<b>C</b>	May be used on fires involving live electrical equipment without danger to the operator.	
<b>D</b>	Combustible metals and combustible metal alloys.	
<b>K</b>	Cooking media (Vegetable or Animal Oils and Fats)	

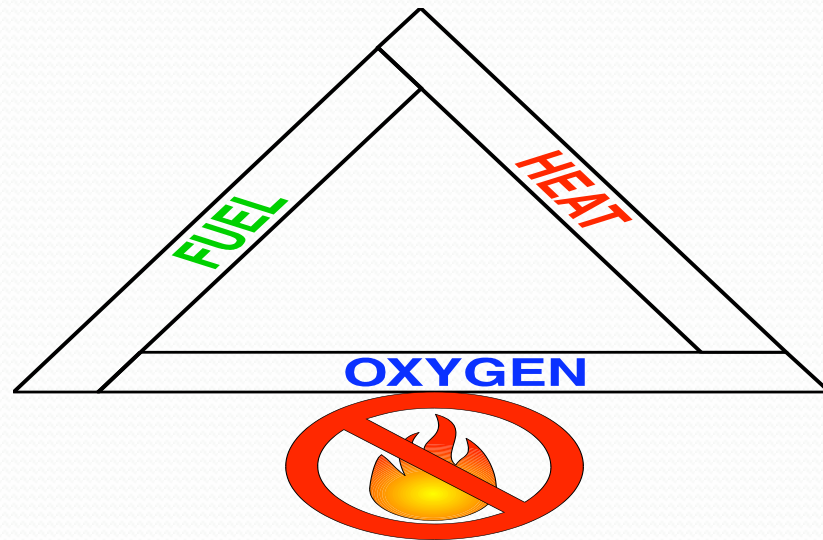
# Portable Fire Extinguisher Training

## Extinguishment Theory

- Removing Heat
- Removing Fuel
- Reducing Oxygen

WILL

- Inhibit Chemical Chain Reaction



# Portable Fire Extinguisher Training

## Classification of Fire

### Class A or Ordinary Combustibles

This includes fuels such as wood, paper, plastic, rubber, and cloth.



Green Triangle



# Portable Fire Extinguisher Training

## Classification of Fire

### Class B or Flammable and Combustible Liquids and Gases

This includes all hydrocarbon  
and alcohol based liquids and  
gases that will support  
combustion.



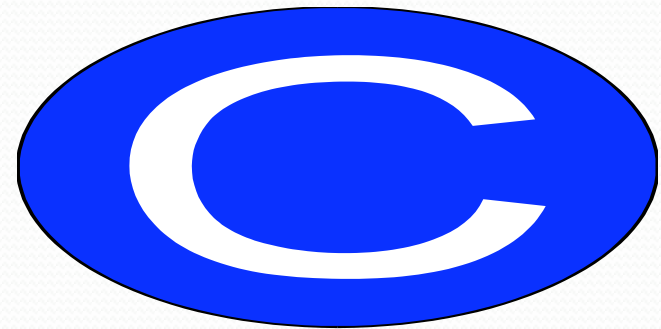
Red Square

# Portable Fire Extinguisher Training

## Classification of Fire

### Class C or Electrical

This includes all fires involving energized electrical equipment.



Blue Circle

# Portable Fire Extinguisher Training

## Classification of Fire

### Class D or Combustible Metals

Examples of these types of metals are: zirconium, titanium, potassium, and magnesium.



Yellow  
Star

# Portable Fire Extinguisher Training

## Classification of Fire

Class K is for fires in unsaturated cooking oils in well insulated cooking appliances in commercial kitchens.

2A:1B:C:K



Model 260

Model 262

# Portable Fire Extinguisher Training

## Some Causes of Fire ?

Electricity

Housekeeping

Cleaning Supplies

Flammable Liquids

Machinery

Improper Storage

Space Heaters

Construction

Combustible Liquids

Unattended Cooking

Careless smoking

**Prevention is the best way to  
fight a fire!**

# Portable Fire Extinguisher Training



*The importance of portable fire extinguishers?*



# Portable Fire Extinguisher Training

## Characteristics



Water extinguisher 30-40 ft. 60 sec.



Dry chemical 5-20 ft. 8-25 sec.



CO2 extinguisher 3-8 ft. 8-30 sec.

# "Quick-Check"

## Is It Ready To Use ?

1. Check the gauge. The pressure indicator should be in the green zone. (CO2 extinguishers do not have pressure gauges.)
3. The extinguisher should have a current inspection tag.
5. The pin and handle should be secured with a plastic tab seal.
4. The extinguisher and hose should be free of any visible damage.





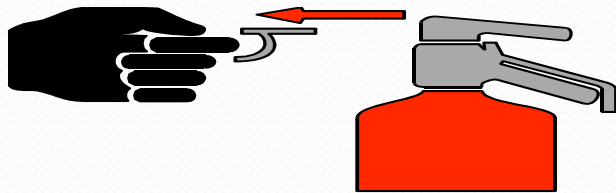
## Making That "Right" Decision To use a Portable Fire Extinguisher

- ✓ You are trained in the use of extinguishers.
- ✓ You know what is burning.
- ✓ Fire is not spreading rapidly.
- ✓ Smoke and heat has not filled the area.
- ✓ You have a clear path of escape.
- ✓ Follow your instincts.

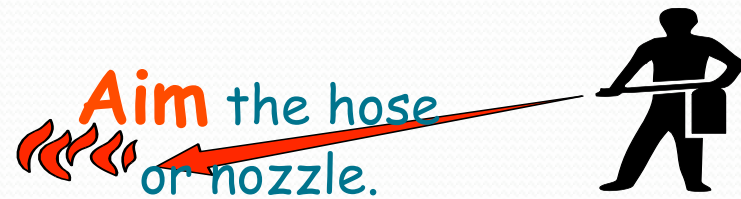


# Portable Fire Extinguisher Training

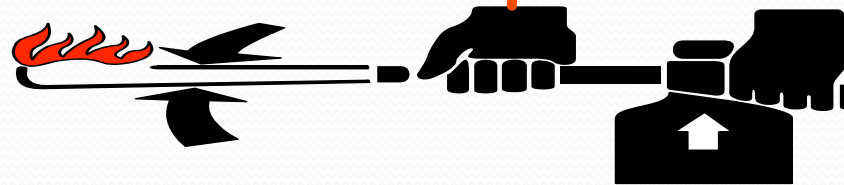
## The P.A.S.S. Method



**Pull** the pin.



**Squeeze** the lever.



**Sweep** the agent.

# Portable Fire Extinguisher Training

## Reporting an Emergency

☎ Call the NSCC Safety & Security at 353-3273 or,

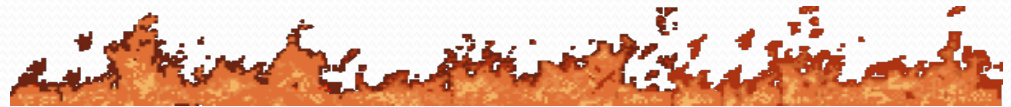
☎ Dial 911. On-campus you must dial 9-911

☎ It is not recommended you stay in the building to call. Call from a nearby building or a cell phone.

☎ Give as much information as possible to the emergency dispatcher.



# Portable Fire Extinguisher Training



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



# Portable Fire Extinguisher Training

**Thank You  
For Your  
Time!**

**Any Questions?  
Contact  
Nashville State  
Safety & Security  
615-353-3273**

