

# Fairfax County Park Authority Safety Training: Fire Extinguishers



2016

# Fire Extinguishers: Topics

- Types of fires
- Fire triangle
- Types of extinguishers
- How to use an extinguisher
- Rules for fires

# Fire Extinguishers: Types of Fires

Fires are classified by the type of fuel they burn. The four types are:

- Class A fire
- Class B fire
- Class C fire
- Class D fire



# Fire Extinguishers: Class A

Class A fires include:

- Wood
- Paper
- Plastic
- Rags



# Fire Extinguishers: Class B

Class B fires include:

- Gasoline
- Oil
- Grease
- Paint



# Fire Extinguishers: Class C

Class C are electrical fires and include:

- Office Equipment
- Motors
- Heaters



# Fire Extinguishers: Class D

Class D fires include metals:

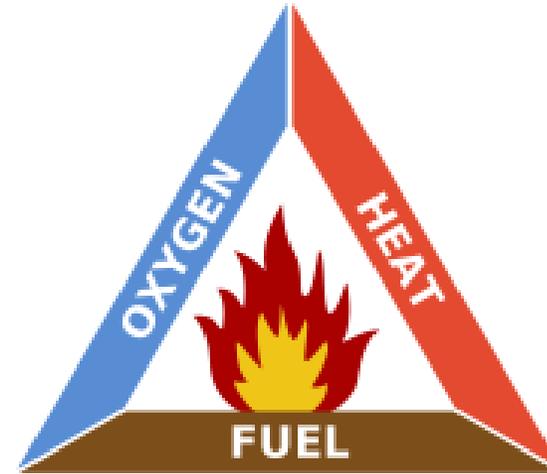
- Potassium
- Sodium
- Aluminum
- Magnesium



# PPE: Why is it Important

Fire Requires:

- Oxygen
- Fuel
- Heat



All three things are present and cause a chemical chain reaction

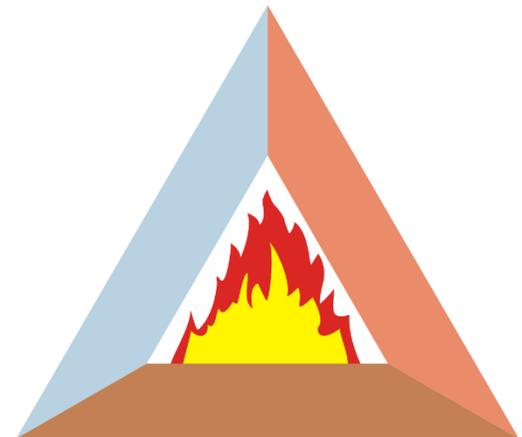
# Oxygen, Fuel and Heat

**Oxygen:** Air is required as a catalyst. It can be oxygen from the air OR from the fuel itself. If you remove the oxygen the fire cant “breath”.

**Fuel:** For a fire to start there must be something to burn.

**Heat:** For any fire, there must be a heat or ignition source.

Oxygen+Fuel+Heat=Fire



# Types of Extinguishers

Fire extinguishers are classified by the types of fires on which they may be used:

**Class A:** Wood, paper, plastics

**Class B:** Flammable liquids

**Class C:** Electrical fires

**Class D:** Metal fires

**Type K:** Extinguishers for commercial kitchens, such as grease oil fires.

Some extinguishers can be used on different fires. ABC fire extinguishers.

# Extinguisher Types

Extinguishers can look very different. Read the label to make sure you have the correct extinguisher.



# Using a Fire Extinguisher

Use the P.A.S.S. system



**PASS**

**PULL**

**AIM**

**SQUEEZE**

**SWEEP**

## Using a Fire Extinguisher

**Pull:** Pull the fire extinguisher pin. This will allow you to discharge the extinguisher.

**Aim:** Aim at the base of the fire. Do not aim at the flames. You want to hit the fuel.

**Squeeze:** Squeeze the handle or lever on the extinguisher.

**Sweep:** Sweep from side to side until the fire is completely out.

# **Extinguisher Locations**

Please make sure you note the locations of the fire extinguishers at your work location.

All extinguishers are to be checked monthly by staff and annually by the County fire extinguisher vendor to make sure they remain charged and ready to use.

# Fire Rules

- Remember, fires are very dangerous.
- Be certain that you will not endanger yourself or others when attempting to put out a fire.
- Pull the fire alarm.
- Call 911.
- Assist others with leaving or evacuating the space.

# Fire Rules

- Never fight a fire if you are not sure what is burning. You will not know the type of extinguisher to use.
- Never fight a fire if the fire is spreading rapidly beyond the spot where it started.
- The time to use an extinguisher is at the beginning stages of a fire. If the fire is already spreading quickly, it is best leave the building.

# Fire Rules

- If the fire is producing large amounts of smoke that you would have to breath in order to fight it, it is best to leave and call 911.
- Always position yourself with an exit or means of escape at your back before you attempt to use an extinguisher to put out a fire.
- Remember where the exit doors are located.
- Never put a fire extinguisher back empty or discharged. Notify supervisor so it can be replaced.

## Questions:

If you have any questions regarding fire extinguishers, please call the Park Safety office 703-324-8707 or email at, [Robert.Johnson@fairfaxcounty.gov](mailto:Robert.Johnson@fairfaxcounty.gov)