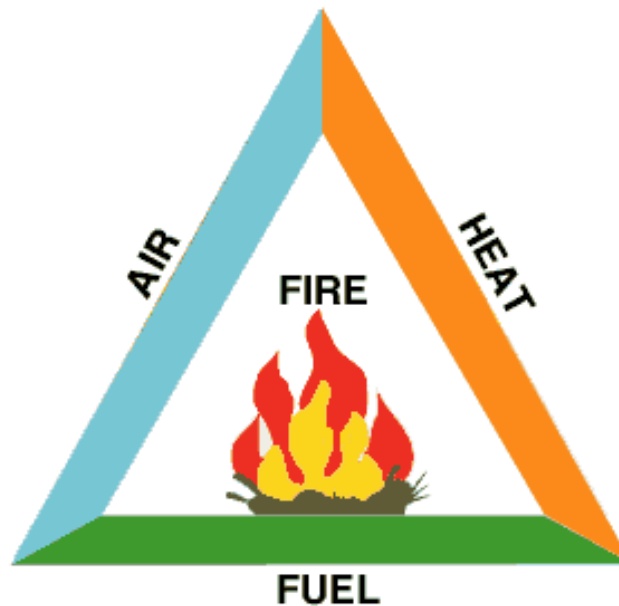


TRIANGLE OF FIRE



Understanding the "fire triangle" is the most basic concept in fire prevention and control. In order for any fire to occur, three critical elements must be present:

- A fuel or combustible material.
- An ignition or heat source.
- Oxygen in sufficient quantities to support combustion.

When all three of these elements come together, combustion is the result. However, if only one of these elements is removed from contact with the other two, the threat of fire can be minimized. Thus, if oxygen, heat or the fuel supply can be removed, there is minimal risk of fire.

The type of extinguisher you use will depend on the material or FUEL being burned.

HEAT – REMOVE BY **COOLING** THE FUEL TO BELOW ITS IGNITION POINT.

THIS IS BEST PERFORMED USING WATER, FOAM or ABE POWDER TYPE EXTINGUISHERS.

FUEL – REMOVE BY **STARVING** THE FIRE OR SEPARATING THE FUEL FROM THE FIRE.

VERY DIFFICULT TO DO BUT BEST PERFORMED BY FOAM OR ABE POWDER EXTINGUISHERS.

OXYGEN – REMOVE BY **SMOTHERING** THE FIRE OF AIR OR OXYGEN.

THIS IS BEST PERFORMED BY CO2, FOAM OR ABE POWDER TYPE EXTINGUISHERS.