



The Best Choice

Fire Safety Precautions in Public Schools

These Safety Tips address the most frequent fire/life safety deficiencies observed by inspectors in public schools. **Use these tips as a safety checklist to greatly reduce the chance of preventable fires.**

EVACUATION – KNOW YOUR WAY OUT

All occupants need to be familiar with a primary and secondary way to evacuate the building from the room where they are.

Evacuation maps should be posted near the exit doorway at a height and location where the students can easily see it. The map should be individualized showing two ways to get out of the building from that room. Anyone who enters the room for the first time should be able orient where they are and both exit routes from that room on the diagram. A solid and a dotted line or different colored lines can depict the normal and the alternate paths to safety.

STORAGE

Combustible material (i.e. wood, paper, rubber, Styrofoam, foam rubber, cardboard and plastic boxes or anything easily burned) cannot be stored within 24 inches of any ceiling.

Fire can easily spread into “hidden” ceiling-paneled areas and is difficult for firefighters to extinguish. Items stored close to the ceiling can block water from sprinkler heads trying to put out a fire. Pictures, trophies, plants, decorations, student projects and teaching aids can be displayed within 2 feet of the ceiling. Items placed in boxes or stacked on shelving within the 2-foot distance are considered storage.

Combustibles cannot be stored in electrical rooms, air handling rooms or mechanical rooms.

Combustibles can easily ignite near energized electrical equipment that is hot or even warm. The air conditioning system and duct work can spread toxic smoke throughout the building.

Items cannot be stored in exit corridors or hallways.

The hallways and corridors are designed to get all the of people out of the building quickly. Anything that causes a “bottleneck effect” or prevents quick and easy access out can cause serious injury or death.

ELECTRICAL

Extension cords and multi-plug adapters cannot be used as a substitute for permanent wiring or be connected together.

These are designed for isolated or limited use only and can overheat starting a fire. If a TV, radio, fan, etc. needs to be connected for an extended time period, use a surge protector. This prevents an electrical fire occurring from overheated electrical wiring. Connecting multiple extension cords together or an extension cord to a surge protector can also cause a fire and it defeats the surge protection capability.

PORTABLE SPACE HEATERS

Portable electric space heaters cannot be used within a 3 feet of combustible material.

The space heater does not have to come into direct contact with something to start a fire. Heat radiating from the unit can ignite clothing, papers and plastic near or beneath desks. The space heater must have a built-in, automatic tip-over switch. This safety feature automatically turns off the heating element if the heater is accidentally tipped or falls over.

FIRE PROTECTION EQUIPMENT

Fire alarm manual pull stations and fire extinguishers shall be easily visible and accessible at all times.

File cabinets, desks, bookcases or decorations cannot block fire alarm pull stations or fire extinguishers. People must be able to easily locate and activate pull stations to manually signal a fire alarm. They must also be able to see, access and use fire extinguishers if they feel capable of using the extinguisher to put out the fire when it is small.

DECORATIONS

Artwork and teaching materials displayed in corridors cannot exceed 20% of a wall section. Decorations must be flat and not 3-dimensional. Combustible materials must be kept at a minimum in corridors.

The less material that can burn in the hallway will ensure the safe evacuation of occupants using that hall to get out of the building. Flat decorations are less flammable than 3-dimensional plastic, Styrofoam or cloth. An example of a wall section would be the wall area between two classroom doors. Another would be the wall area between a hall corner and a doorway.

Combustible materials cannot be displayed on or within a 3-foot radius of classroom doors.

The classroom door may be the only safe way to exit the room. Just like corridors, eliminating materials that can easily burn and block an exit will allow quick evacuation from the classroom. Only fire evacuation plans, severe weather procedures or emergency kits can be near the classroom doors. This practice only applies to classrooms that have doors. Open-concept classrooms normally have 2-3 passageways out of the room and are wider than 4 feet.

No combustible materials can be attached to the ceiling and excessive combustibles cannot be suspended from the ceiling.

Ceiling materials are fire retardant and difficult to burn. By putting materials that easily burn on a ceiling, fire can spread quickly throughout a room. A large number of suspended items, based on their design, location as well as the size of the room, can block water from sprinkler heads trying to put out a fire. If near a classroom door, suspended items that catch on fire could block safe exit out of the room.

A string of decorative, Christmas-style lights cannot be used more than 90 days.

The safety tag on the string of lights specifically warns about this fire hazard. The better alternative is light emitting diode (LED) rope lights. LEDs create less heat, are enclosed in clear plastic and have a safe, 3-year life span

Think SMART, be SAFE this school year !!

Fire Extinguishers

Safety Training Handout

Extinguishers are classed by the type fire they can put out. Some extinguishers are **Combination** types that can be used on several different types of fires

Using a Fire Extinguisher

P-A-S-S

Pull the pin

Aim at base of fire

Squeeze the handle

Sweep from side to side



Types of Fires

Class A

Combustible material such as paper and wood

Class B

Fires involving flammable liquids such as gasoline, paint, diesel fuel or solvents

Class C

Fires started in electrical equipment by arcing or overheating

Class D

Fires involving combustible metal powders, flakes or shavings

Smart Safety Rules

Stand 6 to 8 feet away from the fire

Use an extinguisher **ONLY** if you have been trained to use it.

Fire Extinguishers are for small fires in the early stages.

Know where fire extinguishers are located

Never place a pressurized fire extinguisher upright unless you are holding it - if it falls over the nozzle can break off

All fire extinguishers should have an inspection tag and a trigger seal and a pin

After use, do not put a fire extinguishers back on its mounting – it must be refilled before being returned to its location



Fire Extinguisher

