

# Florida Juvenile Fire Safety “Fire Safety Begins with ME” Program Social Issues—”Fire is Dire”



## Legal and Social Issues—”Fire is Dire”

### Physical Consequences

Physical consequences are a direct result of individuals involvement in a fire. The physical consequences that are most common are included in this education aid as a means to provide further description and outline key areas of emphasis during this session.

### First Degree Burns

- Involve minimal tissue damage to skin surface (epidermis)
- Pain, redness, swelling, peeling skin, white or charred skin
- Can experience shock (weakness, pale skin, blue lips and fingernails)

### Second Degree Burns

- Damage to both outer epidermis and underlying dermis
- Pain, redness, swelling, peeling skin, white or charred skin, blisters, shock

### Third Degree Burns

- Damage to epidermis, dermis and deepest hypodermis
- Skin may char or turn translucent white
- Vessels appear syrupy below skin surface
- Slow to heal; extensive scarring
- Pain, redness, swelling, peeling skin, white or charred skin, shock



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## Physical Consequences

### Heat Inhalation

- Lung burn can occur if hot air or flame source is inhaled
- Usually confined to upper airways

### Systemic Toxins

- Hinders ability to absorb oxygen
- Can cause permanent damage to organs, including the brain
- Carbon monoxide poisoning can occur

### Smoke Inhalation

- Respiratory distress or upper airway obstruction
- Burns around face or neck
- Facial hair singed

### Surgery

- Skin grafts; pieces of skin transplanted from healthy area of body to burned area; very painful; performed under general anesthesia
- Derm-abrasion; shaving or scraping off the top layers of skin to smooth scar tissue

