Fire Safety
LEARNING OBJECTIVES

• Review statistics on leading causes of fire and related deaths in the United States
• Learn how to prevent fires
• Learn how to practice and design an evacuation plan
• Review resources on fire prevention to share with families
Statistics

• In 2014, US fire departments responded to an estimated 1,298,000 fires.

• Fires caused 3,275 civilian deaths and 97 firefighters were fatally injured while on duty.

• Approximately 2/3 of home fire deaths happen in homes with no smoke alarms or no working smoke alarms.

• Fire kills more Americans than all natural disasters combined.
Statistics

• Fire Departments respond to a fire every 24 seconds.

• One home structure fire was reported every 86 seconds accounting for 83% of the civilian fire deaths.

• Civilian fire injuries are reported every 33 minutes.

• On average, civilian fire deaths occur every 2 ½ hours.

• A fire will engulf a room in 3 to 5 minutes.
Think Safe Be Safe
Fire Prevention Tips

• Prevent fires caused by cooking…

Cooking fires are the number one cause of home fires (45%) and the third cause of civilian deaths (17%).

34% of the fires, 46% of deaths, and 46% of injuries are caused by cooking left unattended. Always stay in the kitchen while cooking. Keep flammable things away from range top.

• Prevent fires caused by smoking…

Smoking related fires are the number one cause of civilian deaths. 66% of smoking related deaths caused by fire starting in upholstered furniture and mattresses/bedding. 7% were smoking while using medical oxygen.

Use large, deep ashtrays on sturdy surfaces. Douse cigarette butts with water before discarding in trash.
Think Safe Be Safe
Fire Prevention Tips

- Prevent fires caused by **heating**...

  Heating related fires are the second leading cause of home fires and civilian deaths. Keep space heaters at least three feet away from things that can burn. Keep items at least three feet away from fireplaces and wood burning stoves.
Think Safe Be Safe
Fire Prevention Tips

• Prevent fires caused by electrical distribution or lighting…

  Electrical related fires are the fourth leading cause of home fires.
• Prevent fires caused by **large appliances**…

Clothes dryers account for a large share of appliance fires. The leading cause of home dryer fires was lack of maintenance. Clean filters regularly and remove lint form around the drum. Make sure dryers are plugged into an outlet suitable for its electric needs.
Think Safe Be Safe
Fire Prevention Tips

• Prevent fires caused by **candles**…

  Candle fires have tripled since 1990. Candle related fires are the fifth leading cause of fire related injuries.

  Never leave a burning candle unattended or allow children to keep in their rooms. Use stable candle holders made of materials that won’t catch fire.

• Prevent fires caused by **gasoline and other products**…

  Store gasoline in a garage in an approved container. Never bring inside.
Child Fire Casualties Statistics

• Fires and related burns are the third leading cause of unintentional injuries to children.

• Each year, an average of 3,650 children range 14 or younger are injured or killed in residential fires. Forty percent of these casualties are under the age of five.
Children playing with fires are the leading cause of child fire casualties. The younger the child, the more likely child play was involved in the start of the fire. In short, when children play with fire, they tend to hurt or kill themselves.
Child related fires:

- 83% inside and 93% outside were started by boys
- Lighters were used 52% of the time
- 39% started playing in the bedroom
Child Fire Casualties
Statistics

• Prevent fires intentional fires…

Intentional fires are the third leading cause of home fires. Two out of every five arrest for arson are under age 18.

Younger children were more likely to set fires in homes, while older children and teenagers are more likely to set fires outside.
Food for thought...

- We encourage children to explore and experiment because that is how they learn.
- We support their intrigue for being a fire fighter, seeing/hearing fire engines go by, and visiting the fire station.
- But what message is that sending about FIRE?
- Are we teaching them that fire is not to be played with?
Follow the Four Point System

1. Prevent the fire from happening in the first place.

2. Install and check smoke alarms.

3. Plan and practice your fire evacuation plan.

4. Install fire protection in your home.
Fire Extinguishers

YOUR FIRST PRIORITY IS TO GET OUT SAFELY.

Everyone should exit the building. Fire extinguishers can be used until the fire department arrives when a fire is small and confined to a small area or a room is not filled with smoke. Read instructions thoroughly and become familiar with your extinguisher before there is a fire. Install extinguishers close to exits and keep your back to a clear exit so you can make an easy escape.
Fire Extinguishers

Don’t forget the memory work to operate: **P A S S**

**P:** **Pull pin.** Hold extinguisher with the nozzle pointing away from you and release the locking system.

**A:** **Aim low.** Point the extinguisher at the base of the fire.

**S:** **Squeeze** the lever slowly and evenly.

**S:** **Sweep** the nozzle from side to side.
How to use a fire extinguisher

Please click the link above to view an Instructional YouTube Video
Smoke Alarms

- There should be at least (1) smoke detector on every floor of your home and one outside of every sleeping area.
- Smoke alarms should be mounted on ceiling or walls because smoke rises.
- Test at least once a month by pressing the test button.
- Replace batteries once a year. Schedule battery replacement the same day you change your clock for daylight savings time.
Home Fire Escape Planning and Practice

The State of Home Safety in America found that only 54% of families with children have discussed what to do in case of a home fire.

Here are guidelines for fire safety/evacuation:

• Sketch out a floor plan of your home (all rooms, windows, interior and exterior doors, stairways)

• Identify and remedy anything that would deter your ability to get out quickly in an emergency.

• Always have a primary and secondary exit. If you live in a multi-story home, consider purchasing fire escape ladders for upstairs bedrooms.
Home Fire Escape Planning and Practice

- Push the “test button” on a smoke alarm to ensure everyone will recognize the sound of the alarm if it goes off.

- Select two escape routes from each room and mark them clearly on your escape plan.

- Ensure that anyone with special needs has a buddy to help them get out safely. In the case of a hearing impairment, be sure to purchase smoke alarms that use strobes and/or vibrations to signal a fire.
Home Fire Escape Planning and Practice

• Designate a meeting place so everyone will be accounted for & then assign someone to call 911. Remember to GET OUT and STAY OUT!

• Post your plan until all family members become familiar with it. Practice makes perfect. Hold fire drills frequently and at inopportunite times.

• Young children tend to sleep heavy. Always have a buddy assigned to them to assure they have awaken and escaped during a drill.
Video: How to Practice Fire Safety at Home

http://www.youtube.com/v/WxQoTuwD05I

Please click the link above to view an Instructional YouTube Video
• It's a terrifying thought: Your house is on fire, and you can't reach your kids. The smoke alarm is going off, wailing. But believe it or not, experts say in many cases, young children will sleep right through it.

• Children spend more time in deep sleep than adults do, and that's why it's harder for them to awaken in the case of an emergency.

• An escape plan should include an adult designated to each child to wake them up in a real fire.
Autism

- It is not uncommon for children to want to run back into a fire to get something they treasure. This can be more significant of an issue with children with autism because of their strong need for particular items as well as having very little safety awareness.
Autism

- Children with Autism often designate a space that they go to for calming – in a closet, under a table, etc.

  - In a home setting, parents and caregivers should know to look there first.

  - In a classroom setting, remember to check there during drills and in a real emergency.
Fire Drill Picture Board

The fire alarm bell rings.

It is very very loud.

Stop

Line up

Follow teacher

Wait outside

Listen to teacher

No playing

No talking

No pushing

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Resources

National Fire Protection Association
• safety tip sheets for families in several languages
• *Learn Not to Burn* Preschool program – with videos

http://www.nfpa.org/safety-information
Additional Resources

Centers for Disease Control and Prevention Injury Prevention & Control:
  Home and Recreational Safety
http://www.cdc.gov/HomeandRecreationalSafety/Fire-Prevention/fireprevention.htm
  Centers for Disease Control and Prevention - Fire Prevention
http://www.cdc.gov/Features/FirePrevention/

US Consumer Product Safety Commission
http://www.cpsc.gov/cpscpub/pubs/fire_sfy.html

Please Continue
Completion Instructions

• Please Continue to next page to complete the Fire Safety Quiz.

• Add your name and date to the Quiz, Sign In Sheet and Certificate of Completion and return to Maureen Meenan at mmeenan@kencrest.org.
1. How much time does it take for a fire to engulf a room?
( ) 1 minute
( ) 3-5 minutes
( ) 5-10 minutes
( ) 15 minutes

2. Fire kills more Americans than all natural disasters combined.
( ) True
( ) False

3. Cooking is the leading cause of residential fires.
( ) True
( ) False

4. Forty percent of causalities in fires involve children under the age of five.
( ) True
( ) False

5. Smoke alarms should be on each floor in your home and be tested on a monthly basis.
( ) True
( ) False

6. A home escape plan should include which of the following:
( ) A floor plan of your home
( ) A primary and secondary exit out of each room
( ) A designated meeting place outside of the home
( ) All of the above

7. In fires caused by large appliances, Clothes Dryers account for a largest share of appliance fires.
( ) True
( ) False
Name: ___________________________________________ Date: __________________________

8. A pan of grease catches fire on the stove. What should you do?

( ) Use a fire extinguisher

( ) Smother the flames with the lid of a pot

( ) Pour water on the pan

9. Fires and related burns are the 3rd leading cause of unintentional injuries to children.

( ) True

( ) False

10. List the steps in the "FOUR POINT SYSTEM FOR FIRE PREVENTION". Select all that apply:

[ ] Prevent Fire from happening in the first place

[ ] Plan and practice your fire evacuation plan

[ ] Store matches in a locked cabinet

[ ] Install fire protection in your home

[ ] Store gasoline in a garage

[ ] Install and check smoke alarms

Put your name and date on the certificate, keep a copy for your records and email a copy to Maureen Meenan mmeenan@kencrest.org, along with a copy of this completed quiz.
Certificate of Attendance

This is to certify that ____________________________________________ has completed
______________________________________________________________
(Print Name)

.5 Hour(s) of ____________________________________________________
(no breaks) Fire Safety - Evacuation
(name of training)

on __________________________ at _________________________________
(Date) KenCrest Online Module
(Location)

Presented by: Pam Schaefer, Program Coordinator, Staff Training and Development

Provider Signature:

Supervisor Signature: ____________________________________________

Pam Schaefer, Program Coordinator, Staff Training and Development

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