



LESSON 2

The Dangers of Fire

Student Learning Objectives:	National Health Education Standards:
1. Describe fire and burn hazards.	• Core Concepts
2. Describe safety rules to prevent fires and burns.	• Self Management



Lesson Synopsis

Read a riddle about fire to introduce the lesson. Watch a video on the dangers of fire and what to do to stay safe. Discuss how fire can be helpful and hazardous. List ways people can be burned. Identify safety rules to prevent fires and burns. Close by reviewing fire and burn safety rules.

Activity	Time in Minutes	Materials Needed
Introduction	2	• None
Teacher Input	16	Health Education Materials • Video [DVD]: <i>Fire Safety</i> , School Media, Inc. (10 minutes) • Book: <i>Arthur's Fire Drill</i> , by Marc Brown (Extension Activity) Supplied by the Teacher • AV equipment
Application or Skill Practice	10	Health Education Materials • Poster Set: "Burn Prevention," Michigan Model for Health Clearinghouse Teacher Manual Resources • Teacher Reference: "Burn Prevention Rules"
Closure	2	• None
TOTAL	30	

Preparation

- For Application or Skill Practice:
- Decide how to divide your class into small groups with three students in each group.

LESSON PROCEDURE

Introduction: Read a riddle about fire to introduce the subject of fire safety.

Approximately 2 minutes

Instructional Steps	Script & Detailed Directions	Extensions & Suggestions
Reinforce safety on wheels.	<p><i>If you have used your bike or another set of wheels, reach for the ceiling. If you have remembered to follow our safety rules, wave your hand to me.</i></p> <p><i>I'm glad you are staying safe on wheels.</i></p>	
Read students a riddle about fire.	<p><i>I have a riddle for you. It's about an important safety issue. If you can guess what the answer is, you will know what our lesson is about. Are you ready?</i></p> <p><i>It moves, but isn't alive. It helps us see in the dark, but has no eyes. It keeps us warm, but might harm us if it grows in size. What is it?</i></p> <p><i>Talk with someone sitting close to you. See if you have a guess. If you do, you and your partner stand up.</i></p> <p>Call on pairs of students until the answer "fire" is given.</p>	
State the focus of the lesson.	<p><i>Today we will learn about the dangers of fire and how to prevent them.</i></p>	

Teacher Input: Show a video on fire dangers. Discuss how fire is both helpful and hazardous. Identify how to prevent fires and burns from occurring.

Approximately 16 minutes

Instructional Steps	Script & Detailed Directions	Extensions & Suggestions
<p>Introduce and show the video, <i>Fire Safety</i>.</p> <p>Identify ways fire can be helpful and harmful.</p>	<p><i>I have a video I'd like to show you. As you watch it, look for what you can do to stay safe.</i></p> <p>Show the video, <i>Fire Safety</i>.</p> <p><i>Fire can help us by cooking our food and heating our homes. But fire can also be dangerous.</i></p> <p>Who can think of a way fire might be dangerous?</p> <p>Answers:</p> <ul style="list-style-type: none"> • Fire can burn people or things. • Fires can produce smoke that is dangerous to breathe. 	 <p>Augment this lesson by reading the book, <i>Arthur's Fire Drill</i>. The book reinforces basic fire safety.</p>
Discuss the video.	<p>Who can remember the end of the song the firefighter sang?</p> <p><i>"Fire is hot and it can burn. Fire safety is something..."</i></p> <p>Answer: ...you should learn."</p>	

<p>List rules suggested in the video.</p>	<p><i>The video told us several things we can do to stay safe. It suggested rules to follow and what to do if we are in a burning building. Let's talk about the rules first. In a later lesson, we will review what to do if we are in a burning building.</i></p> <p><i>The video suggested we become fire marshals and help prevent fires. Who remembers one way to stay safe?</i></p> <p>Answers:</p> <ul style="list-style-type: none"> • Dispose of piles of rags and paper. • Ask an adult to check the smoke detectors every 30 days. • Repair electric cords if they are broken. • Don't overload electrical plugs. • Keep gasoline in airtight containers and away from heat. • Never play with matches. • Never use a stove unless a parent is there. 	 <p>How to escape from a burning building and "Stop, Drop, and Roll" are covered in Lesson 3 of this unit.</p>
<p>Identify other ways people get burned.</p>	<p><i>Who can think of other ways people might get burned?</i></p> <p>Answers:</p> <ul style="list-style-type: none"> • very hot water • steam • sunshine • chemicals 	

Application or Skill Practice: Identify ways to prevent starting fires or getting burned.

Approximately 10 minutes

Instructional Steps	Script & Detailed Directions	Extensions & Suggestions
<p>Form small groups.</p> <p>Identify ways to prevent starting fires and getting burned using the poster set, "Burn Prevention." Refer to the teacher reference, "Burn Prevention Rules," for safety rules.</p>	<p>Divide your class into small groups with three students in each group.</p> <p><i>Burns hurt. Let's find some ways to prevent starting fires and getting burned. I'll show you some pictures. Your job is to talk with your group members and make up a rule that will help us keep from getting burned. I'll call on some of you to hear your rules.</i></p> <p>Show the posters one at a time. Call on different groups to hear their ideas for safety rules.</p>	

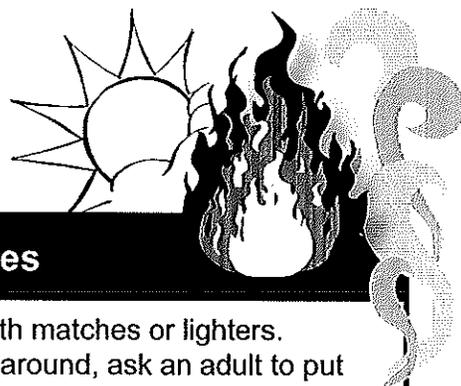
Closure: Review the fire safety rules.

Approximately 2 minutes

Instructional Steps	Script & Detailed Directions	Extensions & Suggestions
<p>Review fire safety rules.</p>	<p><i>Who would like to tell me one safety rule we talked about today that you remember?</i></p> <p>Answers will vary.</p>	
<p>Preview the next lesson.</p>	<p><i>In our next health lesson, we will use what we know to prevent fires and burns.</i></p>	



Burn Prevention Rules



Poster	Rules
Matches and lighters	<ul style="list-style-type: none"> • Do not touch or play with matches or lighters. • If younger children are around, ask an adult to put them away.
Pots and pans on a stove	<ul style="list-style-type: none"> • Do not reach up to touch the pots and pans or try to move them off the stove. • Don't cook without an adult's permission and supervision.
Candles	<ul style="list-style-type: none"> • Do not play with candles or leave them in a place where things could catch on fire. • Tell an adult if something seems dangerous.
Campfire	<ul style="list-style-type: none"> • Be sure to stay far enough away from the campfire so that sparks do not land on you or your clothes. • Don't play with sticks in the fire. • Don't run around the fire.
Cigarette	<ul style="list-style-type: none"> • Do not touch or play with cigarettes.
Worn out electrical cords	<ul style="list-style-type: none"> • Tell an adult if something is dangerous, like worn out cords.
Many electrical cords plugged in	<ul style="list-style-type: none"> • Tell an adult if something is dangerous, like too many electrical cords plugged into one socket.
Flammable liquids stored near heat	<ul style="list-style-type: none"> • Tell an adult if something is dangerous, like liquids that could start a fire being stored near heat.
Pan with steam rising	<ul style="list-style-type: none"> • Do not reach up to touch the pots and pans or try to move them off the stove. • Do not put your hands near the steam.
Children playing in the sun without shade	<ul style="list-style-type: none"> • Slip on a shirt. • Slop on sunscreen. • Slap on a hat. • Avoid the sun between 10:00 AM and 4:00 PM. • Seek shade.
Bathtub full of water	<ul style="list-style-type: none"> • Ask an adult to check the temperature of the water before getting in.
Sparklers and fireworks	<ul style="list-style-type: none"> • Do not touch or play with sparklers without adult permission and supervision. • Never touch or play with fireworks. • Don't run with sparklers in your hand. • Ask an adult for help with sparklers when lighting them, using them, and disposing of the wires.