



The National  
Theatre for Children

This booklet belongs to:

# THE SAFETY DETECTIVES



## Educational Concepts

- What electricity is
- The uses of electricity
- How to identify dangerous electrical situations
- How to prevent electrical fires

# THE SAFETY DETECTIVES

## Words to Know

<b>Conductor</b>	Material or object that electricity passes through easily
<b>Damaged Cords</b>	Electrical cords that are cracked or broken and may have wires showing
<b>Electrical Safety</b>	Being careful when using electricity to prevent dangerous situations
<b>Electricity</b>	A type of energy that powers lights, computers, TVs and many other things
<b>Energy</b>	The ability to make things work or change
<b>Furnace</b>	An appliance that keeps your house warm in the winter
<b>Insulator</b>	Material or object that electricity does not travel through easily
<b>Outlet</b>	A spot on the wall where we plug in electrical devices
<b>Smoke Alarm</b>	A device that makes a loud noise to warn you if there's a fire
<b>Space Heater</b>	An appliance that can be moved around to warm different rooms

## THE STORY

Buddy has been hard at work with the Electrical Safety Detectives Brigade keeping everyone safe from electrical fires, but The Firefly is back with a new plan. He has been secretly running all over town creating dangerous electrical situations. The only way to stop him is to spread the word about electrical safety. Buddy has created some helpful messages about electrical safety, but The Firefly has been scrambling them! She needs your help to tell everyone to Open Your Eyes, Be Safety Wise.

*Can you help Buddy solve these puzzles?*



# SAFETY MATCH

The Firefly has disguised himself as Buddy, Willie and Bernard St. Bernard in order to spread bad messages about electrical safety! Your job is to match the good messages with each other and cross out the bad ones. After that, rewrite the bad messages to help everyone stay safe around electricity.



YOU CAN PUT ANYTHING IN AN OUTLET.



OPEN YOUR EYES! BE SAFETY WISE!



WATER AND ELECTRICITY DON'T MIX.



TEST YOUR SMOKE ALARMS ONCE A MONTH.



WATER AND ELECTRICITY DON'T MIX.



ALWAYS USE DAMAGED CORDS!



OPEN YOUR EYES! BE SAFETY WISE!



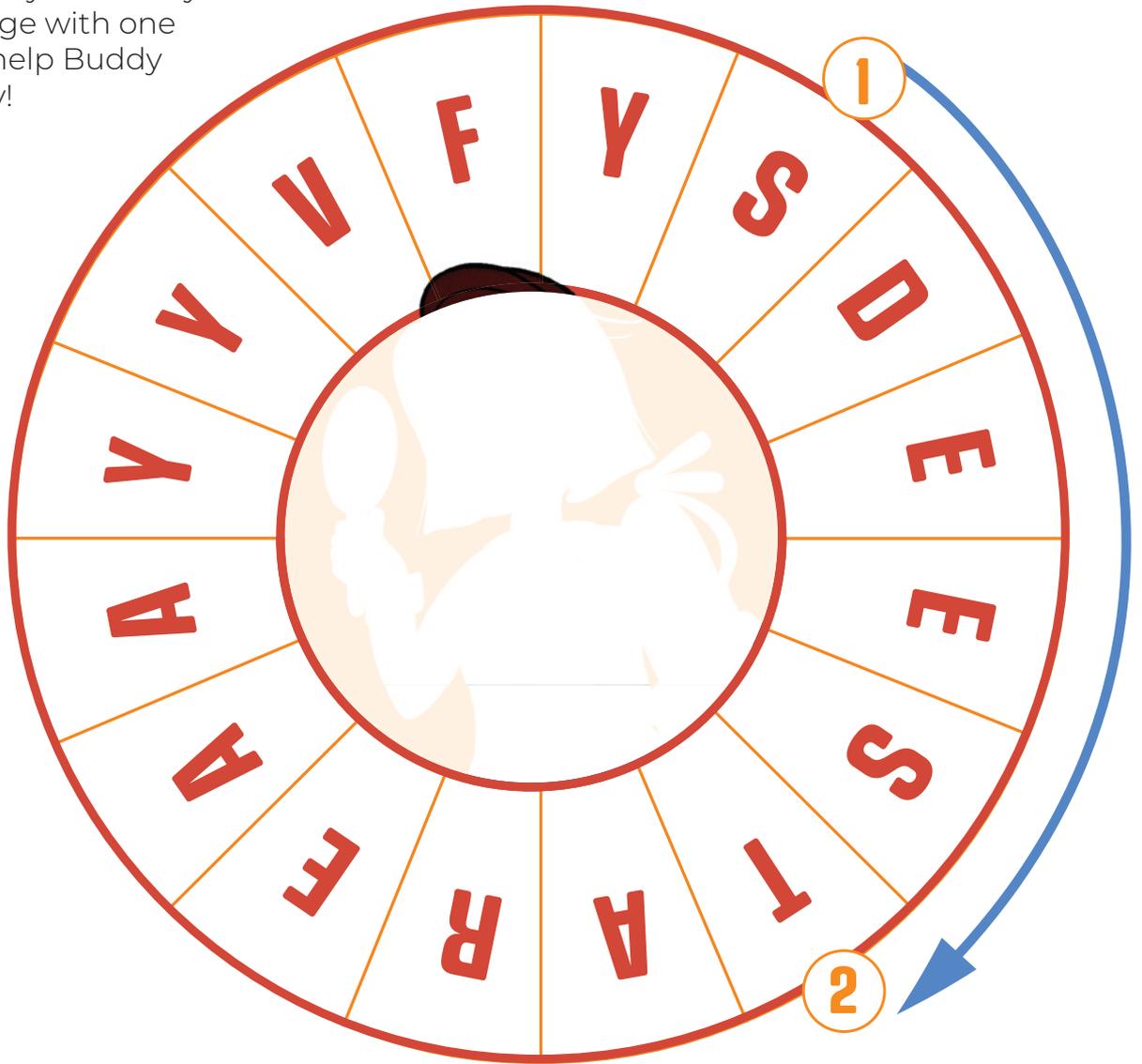
USE SPACE HEATERS CLOSE TO WALLS.



TEST YOUR SMOKE ALARMS ONCE A MONTH.

# SAFETY SPIN

Buddy has hidden a safety message in this wheel for you. Go around the wheel and write down every fifth letter. The first two are already done for you. Share the message with one other person to help Buddy defeat The Firefly!

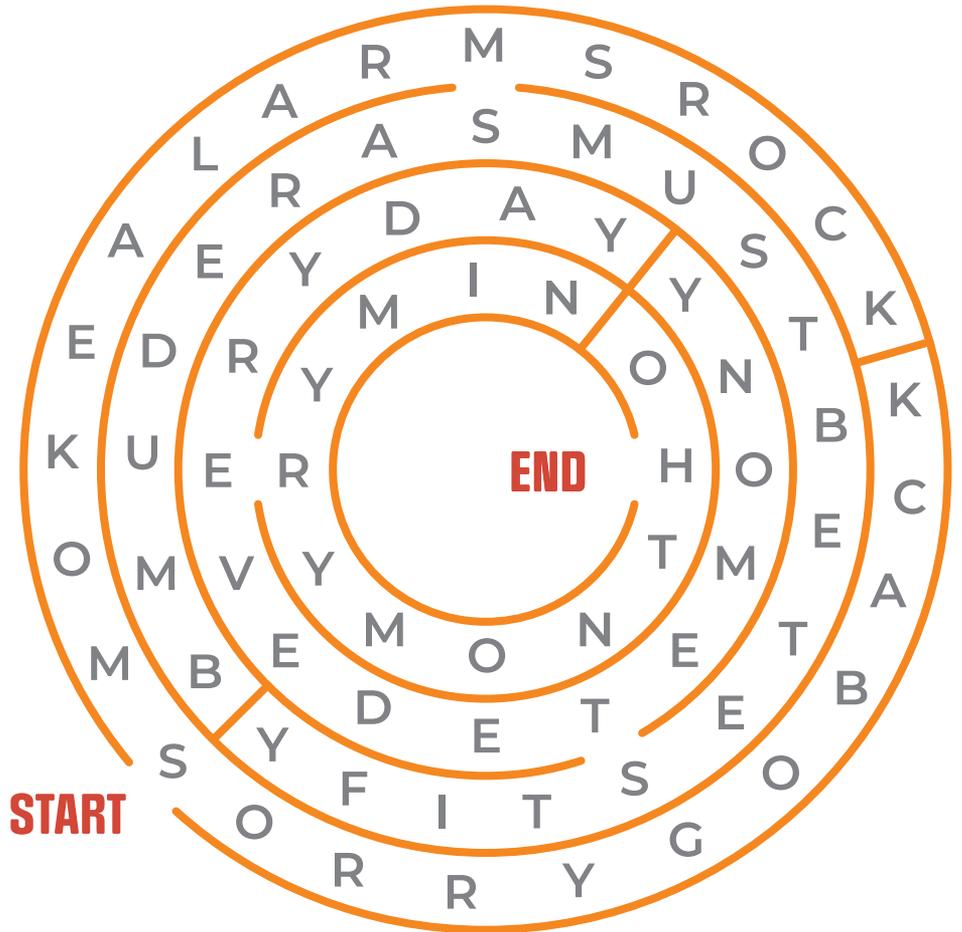


S T \_\_\_\_\_

\_\_\_\_\_

# LETTER LABYRINTH

Buddy has written an important message, but The Firefly scrambled it in this maze. First, solve the maze, then write down the letters along the correct path to learn one way your family can be safe.



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# SCRAMBLED UP

The Firefly has scrambled the letters of an important safety message. First, unscramble the words, then match them with the numbers below to discover a safety message you can share with your friends.

2 DROCS

5 OD

6 TON

3 RAE

8 HETM

7 ESU

1 MADAGED

4 DAGURONES



1

2

3

4

5

6

7

8

# MESSAGE MYSTERY MATH

The Firefly encrypted Buddy's message in this set of math problems. Solve the problems to reveal the message and read it out loud!

$5 + 13 = \square$  **P**

$145 + 6 = \square$  **M**

$64 + 8 = \square$  **N**

$120 - 26 = \square$  **K**

$16 + 16 = \square$  **L**

$22 \times 1 = \square$  **R**

$29 - 17 = \square$  **V**

$23 + 13 = \square$  **Y**



$40 \div 8 = \square$  **A**

$22 \times 4 = \square$  **F**

$11 \times 6 = \square$  **E**

$24 \div 6 = \square$  **O**

$53 - 8 = \square$  **U**

$12 - 12 = \square$  **T**

$21 \div 7 = \square$  **H**

$18 - 7 = \square$  **S**

$\frac{18}{45} \frac{0}{4} \frac{72}{66} \frac{11}{151} \frac{4}{94} \frac{66}{5} \frac{32}{5} \frac{22}{151}$   
 $\frac{4}{72} \frac{66}{12} \frac{66}{22} \frac{36}{32} \frac{66}{12} \frac{66}{32} \frac{4}{88}$   
 $\frac{36}{4} \frac{45}{22} \frac{3}{4} \frac{151}{66}$

**One outside every sleeping area and one inside every bedroom.**

# WORD FIND

## WILLIE'S

The Firefly has hidden Buddy's message inside this Word Find, but Willie still knows the list of words. Work with your friends to find all the words, then review their meanings on the inside front cover.

E S H K B N G O F R I A  
M A U C F U R N A C E J  
C L S R D E T M B O N P  
Q G P K H I O U T L E T  
B Y A F P A W D X N R L  
O I C O L R F Z E S G C  
E L E C T R I C I T Y Q  
L S H V J B T O R M U D  
E M E R G F C N D I B A  
C S A I A N T D K P F M  
T I T D O H L U M A Z A  
R T E L Y I X C N E H G  
I X R Q C N W T G J Y E  
C M Z A R S K O T B S D  
A C H R F U S R D T F C  
L Q N D P L H P M E V O  
S M O K E A L A R M O R  
A T J G S T C T F R K D  
F S B U M O Z I L D W S  
E D S F T R N Z A P H X  
T N C R H V B Q O C S A  
Y F L A S E T D J G I N  
P B O K C G F B R M A D



**CONDUCTOR**

**FURNACE**

**DAMAGED CORDS**

**INSULATOR**

**ELECTRICAL SAFETY**

**OUTLET**

**ELECTRICITY**

**SMOKE ALARM**

**ENERGY**

**SPACE HEATER**

# STORY TIME

We're at the end of our story; it's up to you to decide how it ends! Get together with your friends and fill in the blanks to complete the story.

**TITLE:** \_\_\_\_\_  
*Name your story*

**BY:** \_\_\_\_\_  
*Your name*



One day, Buddy went to \_\_\_\_\_ .  
*A place*

The Firefly had just been there and created \_\_\_\_\_ dangerous electrical situations.  
*A number*

Buddy worked fast to make sure everyone was safe. The Firefly was \_\_\_\_\_ . The  
*An emotion*

Firefly asked, "Why do you Safety Detectives always ruin my fun?" Buddy said, "Open your eyes! Be safety wise!"

The Firefly got in his \_\_\_\_\_ and \_\_\_\_\_ away.  
*Type of vehicle*  
*A verb*

# TAKE-HOME FAMILY ACTIVITY

# FAMILY PLEDGE



Ask your family members to take the following pledge. Once they have completed it, write each of their names on one of the badges. Then, color the badges, carefully cut them out and hand them out. Now you are all Safety Detectives!



## FAMILY SAFETY PLEDGE

I, \_\_\_\_\_,  
Name of family member

promise to do my part to be Safety Wise about electricity. I will always use plugs and outlets in the correct way, keep space heaters three feet away from anything that can burn and keep water and electricity far apart. I will also make sure our family has the correct number of working smoke alarms for our home.

By doing all of these and making safe choices, I will become a Safety Detective!

# Hey parents, students and teachers!

GO TO: **NTC** **Playworks.com**

After enjoying the show, you and your child can find more fun learning activities on this topic and many more at [www.NTCplayworks.com](http://www.NTCplayworks.com).



## Here's How:

1. Go to [NTCplayworks.com](http://NTCplayworks.com)
2. Select your state and program
3. Enjoy the digital games, interactive activities, e-books and more

