

STUDENT GUIDE



INTRODUCTION

Can you imagine life without electricity? Without electricity, most of the things that power our lives at home and school would not exist. The way we communicate and connect with people would look and sound very different. Now, more than ever, it is easy to see how dependent we are on electricity for our way of life. Electricity is everywhere!

Did you know that National Electrical Safety Month is in May of each year? This is a month dedicated to focusing on our own personal safety and the safety of those around us. Since we live in a world that is always plugged-in to electricity, electrical safety and awareness is always important to learn and remember.

As a Safety Sleuth, when we see a situation, we think about what is safe or unsafe, make safe choices and share with others how to do the same. Just like any smart sleuth, you will want to bring your curiosity and pay attention to detail. You can make a difference in your home and school as you follow the clues to learn about electrical safety.

You will:

LOOK ...

Discover many ways you can see the situation and determine what is safe and unsafe.

THINK ...

Learn to use and assess situations and act responsibly and safely in your home and community.

Learn to communicate clearly and in detail about situations that may feel unsafe.

DO ...

Take responsibility by making informed choices about electrical safety and other areas where you may be unsafe. Take positive actions to be careful.

SHARE ...

Learn how to explain to others what happened, where it happened or inform and inspire others to be careful and why.

LOOK/THINK

Before we dive into electrical safety, let's make sure you understand how to feel safe in many different situations and environments. The following questions will be addressed in the next activities:

- How does safe and unsafe feel to you?
- What feelings do you experience when you are safe/unsafe?
- What proper steps should you take if you are in an unsafe situation?

Vocabulary Time



Directions: Write the definitions of each word in the boxes below. You may use any resource you have available to help you. There is room to add more educational words to this list as our lessons go on!

Environment:

Situational:

Universal:

Awareness:

Additional words



How do SAFE and UNSAFE feel to me?

Situational safety is when you understand that different environments or settings require different safety measures. In other words, you want to “see the situation” so that you can decide what you need to do to be safe. To fully understand situational safety you must first be able to identify when you feel safe and unsafe in different situations. Imagine yourself in a spooky haunted house by yourself. How do you feel? Now, picture yourself watching your favorite movie with your best friend. How do you feel? These are two very different situations; and, most likely, you have different feelings in each situation. Use this example to complete the next activity.



Directions: In the left box write about a time you felt safe. In the right box, write about a time you felt unsafe. Be sure to include at least two words from the word bank below as you complete your journal entries.

Journal Entry 1

A time when I felt safe ...

Journal Entry 2

A time when I felt unsafe ...

Word Bank

happy afraid sad hot amused bored anxious confident cold surprised loving
focused sassy energized alone bubbly careful peaceful silly brave strong bold
blue upset grumpy angry annoyed afraid shy quiet curious mad confused worried

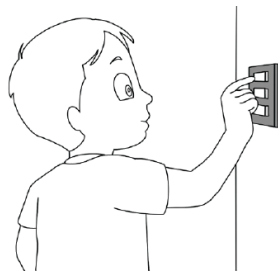
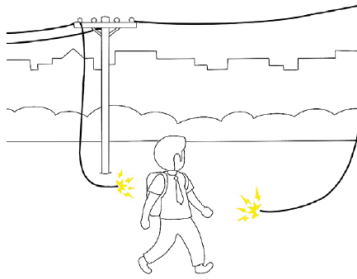


PSEG LONG ISLAND

ACTIVITY
2

SAFE or UNSAFE?

Look at the pictures below. Color all SAFE activities with your favorite color(s). Then, write a word or phrase below each picture to explain how you would feel. (If needed, look at the word bank in Activity 1 for feeling words.) Remember, always trust your gut!



IT'S YOUR TURN!

If your parent or guardian is not close by, know where to find a trusted adult. "See the situation" and look for clues to know who you can trust. Always trust your gut!



Directions: Write two examples of safe situations in the left column and two examples of unsafe situations in the right column. Be prepared to explain why these would be safe or unsafe situations.

Safe Situations	Unsafe Situations
1.	1.
2.	2.

What one word or phrase describes what SAFE feels like for you? Explain.

ACTIVITY
3

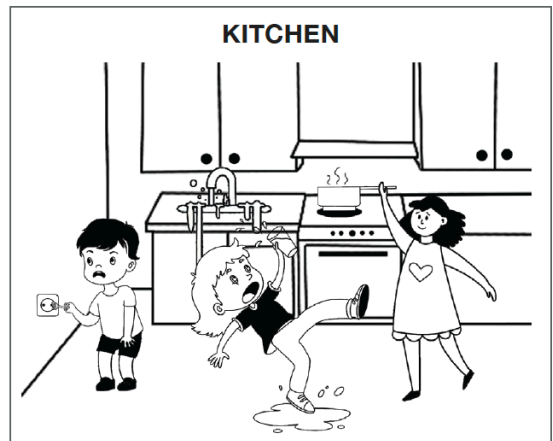
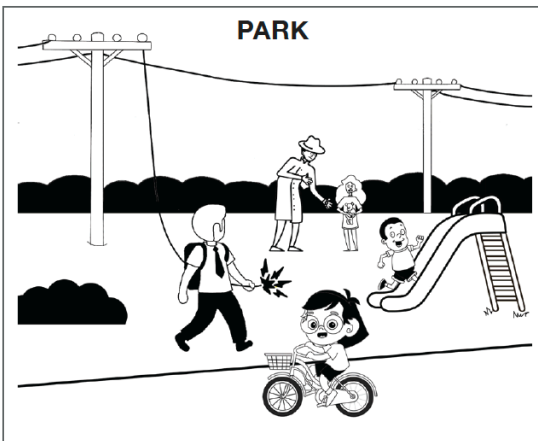
Identifying Safety Hazards

A **hazard** is a danger or risk. It's time to use your sleuthing skills and identify potential hazards in each environment you see below. Use your eyes to "see the situation" and find the hazards.



Directions:

1. Circle the unsafe behaviors in each environment.
2. Write in the chart WHY these behaviors are unsafe.
3. Be prepared to explain why these behaviors are hazards.



Park	Kitchen
1.	1.
2.	2.
3.	3.
4.	4.

DO!

Safety Sleuths, are you ready to learn about electrical safety? You will use your identifying, observing and explaining skills to answer the following questions:

- What is the difference between electric and nonelectric items?
- How can you stay safe when dealing with electricity indoors and outdoors?

Think about all the things that we need electricity for every day! Electricity powers our homes and allows us to watch tv and light up dark rooms. It also allows us to cook food in our oven and charge our computers and our phones. Without electricity life would be very different!

Vocabulary Time



Directions: Write the definitions of each word in the boxes below. You may use any resource you have available to help you. There is room to add more educational words to this list.

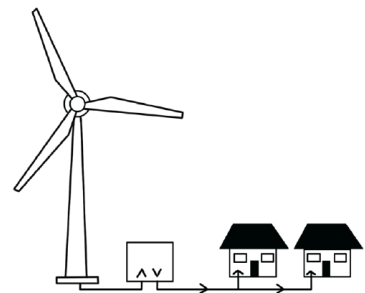
Turbine:
Energy:
Outlet:
Electric:
Nonelectric:
Additional words



FUN FACT

Electricity comes into my home by the use of a turbine. Turbines could be powered by water, wind, the sun and coal.

Once the turbine spins it creates energy that travels through wires that are then moved to your home through an outlet!





Electric-Nonelectric Scavenger Hunt



Directions: Now you understand the difference between electric and nonelectric. Look around your environment (classroom and/or home) and identify at least five electric items and five nonelectric items. Write your answers on the chart below. Be sure to have an adult present to ensure you are safe while having fun with this activity!

Electric	Nonelectric
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

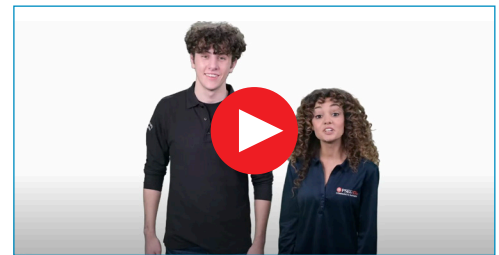


Ways to Be Safe with Electricity

Learning about electricity is ELECTRIC-FIC! While electricity is important and useful in everyday life, electricity can be very harmful to the human body. Our bodies are not made to touch or connect with electricity. Handling electricity with care is important to keep you and those around you safe!

Your class will view the Safety Sleuth Safety video and discuss this video while using the Safety Sleuth process that you have learned.

In your group, choose one of the electrical safety tips that the video describes. Using your Look, Think, Do, Share Safety Sleuth process, describe what to look for, what to think about, what to do in this situation and how you might share this information with others. Your group will have a turn to tell others in your class about your group's ideas.



<https://www.youtube.com/watch?v=cl61Dcx8gd0>

When all groups have finished presenting one student will be asked to read the following helpful safety tips aloud.



SAFETY TIPS

1. Do not touch an outlet with your fingers or any other body part!
2. Do not put a metal object (or any other object that doesn't belong) in an outlet.
3. Be sure to keep wires or electrical items away from water faucets and spilled water.
Water and electricity do not mix!
4. Do not chew or pull on wires that are connected into an outlet.
5. ALWAYS ask an adult before using anything that requires electricity.
6. If you see any broken wires or outlets let an adult know right away.



Exploring the PSEG Long Island Website



Directions:

1. Watch the Indoor Electric Safety video on the PSEG Long Island Website TWICE. You will see and hear many safety tips you should follow when you are handling indoor electricity. As you watch the video, choose the tip that you think is most important. (Remember your choice for later.)
2. Fill in the blank for each sentence after watching the video. Use the word bank provided to help you.



<https://psegliny.com/safetyandreliability/safetytips/personalandhomesafety>

Word Bank

faceplates wet not in use metal objects walking safety coverings hot

1. Unplug small appliances (hair dryers, mixers, toasters, etc.) when _____.
2. If you have small children or pets, make sure unused wall outlets have _____.
3. Make sure lamp cords are not strung through areas where people will be _____.
4. Never insert any _____, such as a knife or fork, into an appliance.
5. Teach all family members to avoid touching electrical devices when they are _____, in water, or standing on a wet surface.
6. Keep all cords away from _____ surfaces such as a stove.
7. All outlets and switches should have _____.



Reflect & Share By Creating Your Poster

Think about a way you would share all of this safety information. Who would you educate? How would you help people to understand the importance of electrical safety? What is the most important electric safety tip you think people should know? Write your reflection below.

1. Think about a way you would share the safety information you have learned. Write down how you would share it.

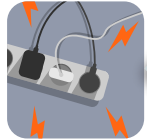
Your teacher will give you a Safety Sleuth poster paper. On this poster paper, draw a picture of one safety tip that is important to you.

Your poster may be chosen to be included in a Safety Sleuth gallery.

ELECTRIC SAFETY *Checklist*



Print out this checklist and inspect your home to see if you can find any of these electrical hazards.

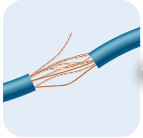


Electric outlets are not overloaded with plugs.

SAFE

☐

NEEDS
FIXING

☐

All cords and plugs are in good condition and not damaged or frayed.

☐☐

Electric cords do not run under rugs, furniture legs or near hot appliances.

☐☐

Electrical appliances are not kept near any liquids.

☐☐

Safety caps are inserted into outlets when small children are around.

☐☐

Small appliances are turned off and unplugged when people leave home.

☐☐

Battery chargers are not in use near doorways or left unattended while charging.

☐☐

MY SAFETY PLEDGE

I am now a certified Safety Sleuth and I understand how to be safe not only in my home and surrounding environment but also around electricity. I know that there are trusted adults in my life who are always there to be my “safe people.” I will not hesitate to ask for help or for guidance when I feel unsafe. I will use and share the knowledge I gained from the Safety Sleuth program with my friends and family so we can be safe every day.



Certificate of Completion

This award is presented to

for the completion of the Safety Sleuth Program

Awarded by your friends at PSEG Long Island

