

P.I. Plug says,

“Be Smart About Fire and Electrical Safety!”

(Part II of II)



Inside you will find standards-based materials that include:

Student Fire and Electrical Safety at Home Exercise
for Families

Contest Details
...how to win books for your class and even a trip to our nation's capital, Washington, D.C.!

Interview with P.I. Plug
Diminish Puzzle Activity



Dear Teacher,

In this wrap you will find a student Fire and Electrical Safety at Home Exercise (take-home activity) and its instructions, fire and safety contest details, as well as an Interview with P.I. Plug and a Diminish Puzzle activity. These activities can be combined with other fire and electrical safety classroom material, or used separately.

The student Fire and Electrical Safety at Home Exercise is designed to be shared with the immediate family and grandparents of each student. The top half of the Home Exercise is the immediate family portion of the take home material, while the bottom half is intended to be shared with grandparents, or older adults. The Home Exercise also allows a space for students to paste or draw a self-portrait and an additional space to include signatures.

Take a few minutes to provide classroom instructions on how students should use the Home Exercise material.



ESFI Safety Contest

The contest will ask participants to: Describe a way to promote fire and electrical safety in the home, community, or throughout the U.S. in a few simple paragraphs. Students must describe: What is the idea? Why complete the idea? Who can be involved in the idea? When can the idea be performed? Where will the idea be completed? Descriptions of all your ideas can include any images, drawings, photos, sounds, and videos.

Students can enter on their own, with a classroom partner or a family member, grandparent, or other older adult.

There are more than 100 prizes and they include everything from books for your entire classroom to an **all-expenses-paid trip to Washington, D.C. for the winning student!**

To find detailed information about the contest, timelines, prizes and to print your registration form, please visit www.esfi.org



Interview with P.I. Plug

We all use electricity. It gives us light and keeps us warm. We use it to cook and power televisions with it. Our computers also work on electricity. But can electricity be dangerous? We decided to ask P.I. Plug some questions find out.

Interviewer: P.I. Plug, what can you tell us about electricity?

P.I. Plug: The story of electricity begins with atoms. Everything in the universe is made of tiny bits of matter called atoms. But atoms are made of even smaller things. There are three parts to an atom. **Protons** and **neutrons** are in the center of an atom. **Electrons** are on the outside of an atom. These electrons also make up electricity. You can remember this because electron and electricity begin with the same letters.



Interviewer: What makes electricity dangerous?

P.I. Plug: Sometimes people make mistakes when using electricity. That's when electricity becomes dangerous. One mistake is to plug too many things into the same outlet. All those little electrons moving through the wires can cause heat. If the wire gets hot enough, a fire can start.



Interviewer: Yikes, we don't want that to happen. That sounds like an easy problem to fix. Just don't plug so many things into the same outlet. Are there other mistakes that people make?

P.I. Plug: Yes, like pulling on the cord and not the plug itself. This can loosen the wire from the plug. Electricity can escape from the wire and shock you. It might even start a fire.



Interviewer: That would be awful! But again, it's an easy problem to fix. Just pull on the plug, not the cord. It sounds like being safe with electricity is really very simple.

P.I. Plug: That's true. Here's another example of how easy it is to be electrically safe. Electricity and liquids are a bad mix. Don't drink things if you are close to devices like televisions, computers, and video games consoles. You also should be really careful using electrical devices in the kitchen or bathroom. The best idea for us young people is to only use electrical devices in the kitchen or bathroom when adults are around.



Interviewer: It sounds like kids should be extra careful around electrical devices.

P.I. Plug: Yes, and so should their grandparents! Younger and older people have to pay attention around electricity and do everything just right. In fact, here's an idea. Why don't you explain everything you have learned about electrical safety to your grandparents? If you have other friends or family members, share what you know with them, too. Tell them that you and your friend P. I. Plug want everyone to be safe around electricity.



Electrical Safety Diminish Puzzle

Name: _____

A diminish puzzle is similar to a word search but better! There are almost no clues, and you can find words in any direction. Just draw a line connecting the letters in the words in any direction. One has been completed for you. Here are some electrical safety words you can find in the puzzle.



prong wire outlet electron heater
current fire ground spark hazard

After finding the electrical safety words listed above, search for all the other words you can find in the puzzle. Share them with your classmates.

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

Dear Family,

In class your child is learning about the importance of fire and electrical safety through a unique program created by Electrical Safety Foundation International (ESFI). Your child has been learning about everything, from the basics of how electricity works to how smoke alarms help keep us safe.

Because children and older adults are severely affected by fire and electrical hazards, one element of this program is a safety tip sheet like the one you see on the reverse of this letter. Post these safety tips in a prominent location in your home as well as share the below letter and tip sheet with a grandparent, or older adult in your child's life. Join us in our efforts to make your homes fire and electrically safe. Visit www.esfi.org for more free resources.

Sincerely,

President Brett Brenner and the ESFI Team



Dear _____,

I am learning about electrical and fire safety in my class at school right now – with P.I. Plug and a program from the Electrical Safety Foundation International (ESFI). I have learned a lot about fire, electricity, and also that people my age and your age are the two age groups who are at high risk of electrical and fire injuries. I want you to be safe!

Please read the safety tips on the back of this letter. They are easy to do. Put them up on the refrigerator (or somewhere handy) so you can see them every day. Think of me, and be safe!

Love,



Draw a picture or attach a photo here!

Important Fire and Electrical Safety Tips:

- Don't plug too many things into one electrical outlet.
- Arrange electrical cords so you don't trip over them.
- Never put electrical cords under a carpet.
- When you cook, never leave the kitchen with a burner on.
- Be sure to have working smoke alarms installed in every bedroom, outside each sleeping area, and on every level of the home.
- Test smoke alarms each month. Change the batteries at least once a year.
- Don't put anything closer than three feet from a heater.

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