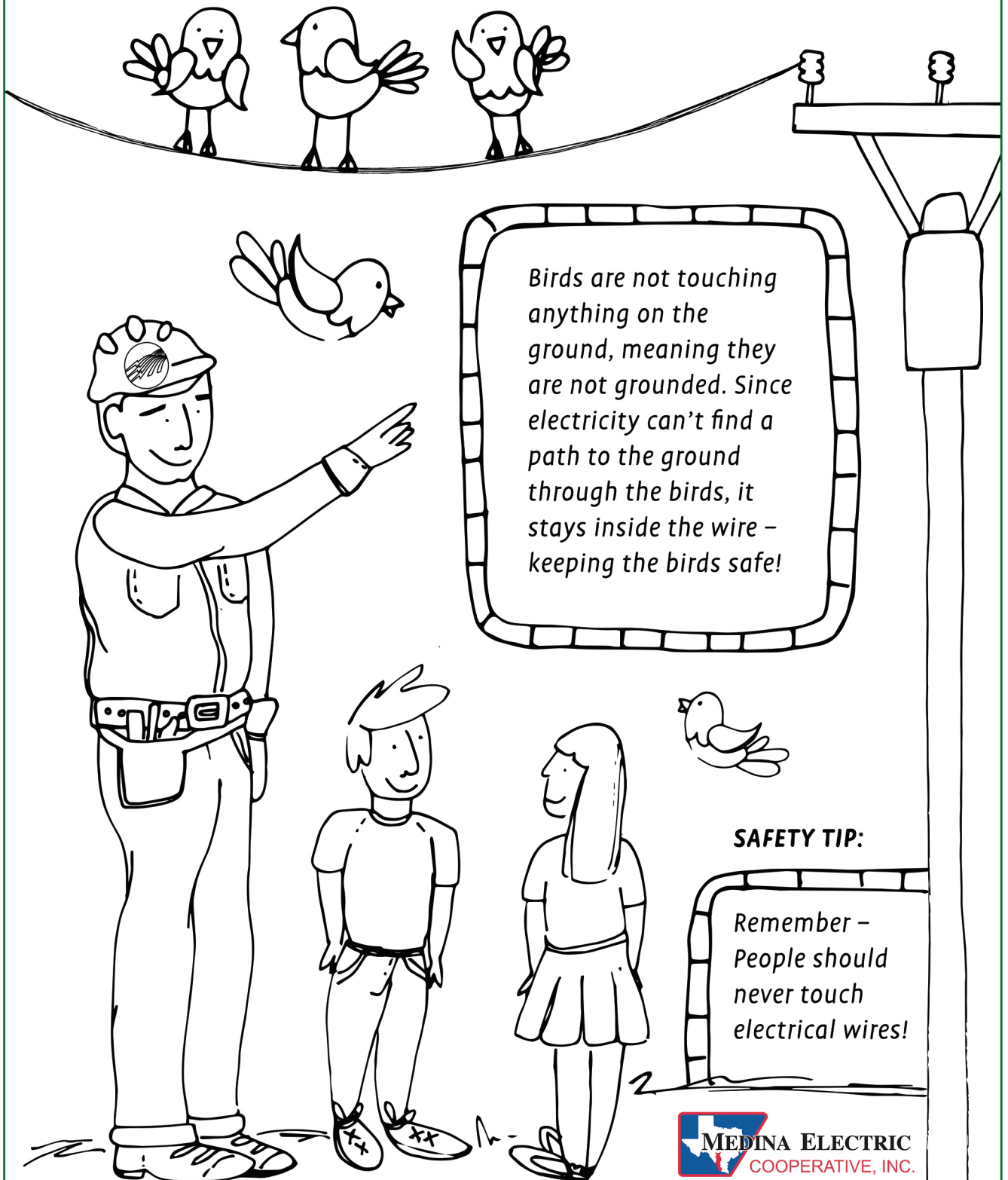


WHY CAN BIRDS SIT ON POWER LINES WITHOUT BEING ELECTROCUTED?



**Energy
Explorers**

Coloring
Sheet



Birds are not touching anything on the ground, meaning they are not grounded. Since electricity can't find a path to the ground through the birds, it stays inside the wire – keeping the birds safe!

SAFETY TIP:

Remember –
People should
never touch
electrical wires!



**MEDINA ELECTRIC
COOPERATIVE, INC.**

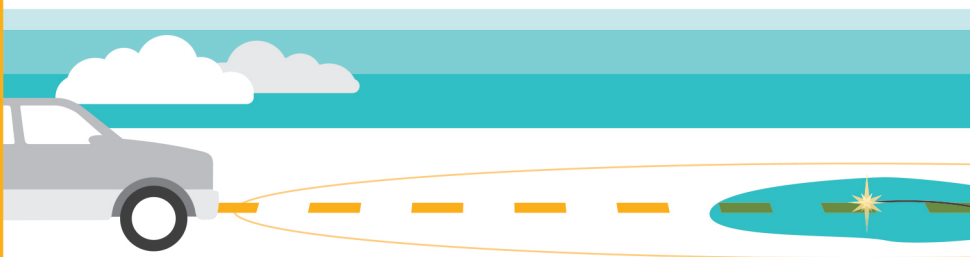
Your Touchstone Energy® Cooperative 

Downed and Dangerous

If you see a downed power line, always assume it is energized and dangerous. Avoid going near it or anything in contact with the line.



Downed power lines can energize the ground up to **35 feet** away—so keep your distance.



Never drive over a downed line or through water that is touching the line.

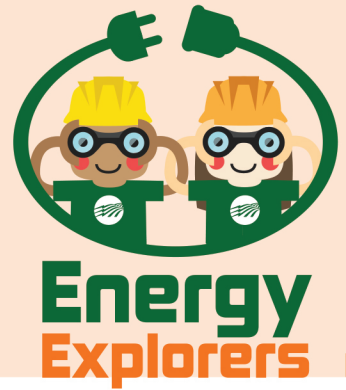


If you see a downed line, notify the local authorities immediately.



Never try to move a downed power line, even if you think the line is de-energized or if you think you're using nonconductive protection—this cannot prevent injury or death.

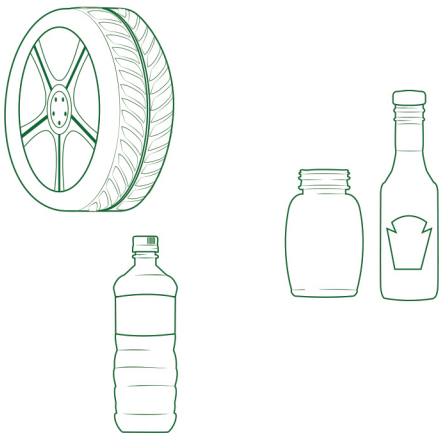
INSULATORS & CONDUCTORS WORD SCRAMBLE



Do you know the difference between insulators and conductors? Materials act differently when they come in contact with an electric current. Insulators provide difficult paths for electricity, so the current doesn't flow through them. For this reason, insulators can help protect you from electric shock. Conductors provide easy paths for electricity, which means currents pass through them quickly. This makes conductors dangerous around electricity, including lightning.

Unscramble the letters to reveal the names of common insulators and conductors for electricity. Use the pictures below for clues.

INSULATORS:

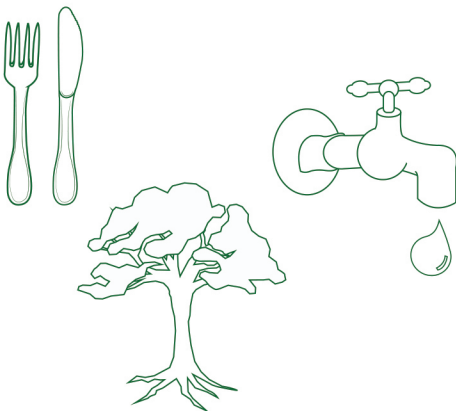


1. REBUBR

2. LGSAS

3. SIPALTC

CONDUCTORS:



4. LATME

5. TERWA

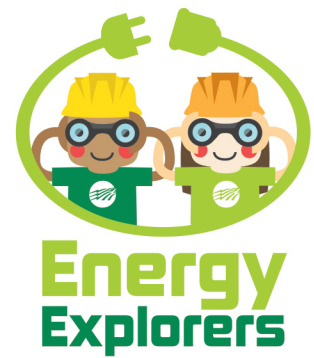
6. SRETE

ENERGY EFFICIENCY QUIZ

Are you an energy efficiency whiz?

Test your knowledge by taking the quiz below.

Hint: Check your answers at the bottom of the page.



1. Taking a long bath saves more energy than taking a short shower.

A) True B) False

2. LED bulbs typically use _____ less energy than incandescent light bulbs.

A) 75% B) 50% C) 35%

3. Which of the following is an energy vampire? (Hint: Energy vampires consume energy even when they aren't being used.)

A) Dishwasher B) Electric mixer C) TV

4. If you see this logo on a product, it has an excellent energy efficiency rating.

A) ENERGY SMART B) ENERGY STAR C) ENERGY WISE

5. Turning off the tap water while brushing your teeth can save up to four gallons of water per minute.

A) True B) False

ANSWER KEY

ANSWERS: 1. B 2. A 3. C 4. B 5. A

CELEBRATE ELECTRICAL SAFETY MONTH

Word Search

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



Help Willie Wiredhand find these words in the puzzle box.

APPLIANCES
ATTENTION
AWARENESS
CAUTION
CORDS
DANGEROUS

ELECTRICAL
ELECTROCUTION
HAZARDOUS
INDOORS
INJURY
MAY

OUTLETS
OUTSIDE
OVERLOAD
PLUG
POWER
POWER LINES

SAFETY
SHOCK
WIRES
ZAPPED