# Title: Recognizing Common Words in Basic Electricity

<b>Objectives</b> Student will learn basic word definitions used in wiring and general trades					T	Time frame to Complete 30 minutes																	
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Stackable Certificate Documentation	Technology	Study / Life skills	EL-Civics	Career Pathways	Police	Paramedic	Fire Rescue	Medical Asst.	EKG / Cardio	Phlebotomy	Practical Nursing	Healthcare Admin	Pharmacy Tech	IMT	AMT	HVAC	Welding	Other:					
×														×		×							
Standard(s) Addressed in Lesson																							
Read				•																			
Benchmark(s) Addressed in Lesson																							
R.4.2: Select text to match purpose, appropriate complexity and reading level. R.4.6: Select and use print and electronic reference materials (for example, web search) to determine the word																							
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Definit			et pac	ie 1. pa	ade 2	. Ans	swer	Kev	, pad	e 3.	and r	benc	ils.										
On-Lir																							
Learr	ner P	rior K	now	ledge	:																		
Students should have a speaking knowledge of these terms.																							
Activities																							
Step 1 Distribute page 1 and review the list of words.																							
<u>Step 2</u> Have the students share their understanding of the terms. Are these words they have used before? If so, in what contexts (home repairs or work situations)?																							
Step 3 Students study the words and definitions.																							
<u>Step 4</u> Distribute worksheet page 2. Students complete the activity on page 2 by putting the letter on the line next to the word it matches. Explain that the definitions can be found on page 1 (if needed).																							
<u>Step 4</u> Once complete, check the work. (The answer key is on page 3.) Review terms as needed.																							
Assessment/Evidence Eleven correct out of 15 total would be passing.																							

Adaptations for Beginning Students Beginning students could work in pairs. Adaptations for Advanced Students

Advanced students could expand on the definition in their own words.

Teacher Reflection/Lesson Evaluation

This lesson was created by Middletown ABLE.

### COMMON WORDS in BASIC ELECTRICITY

- 1) Voltage: Attractive force between positive and negative charges
- 2) Current: The flow or the movement of electrons along a conductor
- 3) Resistance: The measure of the ability of electrons to move through any material
- 4) Power: The measure in watts of the amount of work that electric current does while running through an electrical component.
- 5) Amp/Ampere: Refers to the rate at which electrical power flows to a light, tool, or appliance.
- 6) Ohm: A unit of resistance.
- 7) Watt: A measure of the power an electrical device consumes.
- 8) Volt: A measure of electrical pressure. Volts x amps = watts
- 9) Circuit: A continuous loop of electrical current flowing along wires or cables.
- 10) Schematic: A drawing that shows how components in a circuit are connected.
- 11) Loop: A continuous closed electrical circuit.
- 12) Alternating current (AC): Current in which there is a charge in the direction in which electrons flow.
- 13) Direct current (DC): A type of current in which the electrons move only from the negative terminal through the wires to the positive terminal in one direction. A battery generates direct current.
- 14) Diode: A device that limits the flow of current to one direction, thereby converting alternating current to direct current
- 15) I: The symbol used for current.

## COMMON WORDS in BASIC ELECTRICITY

# MATCHING

Write the letter in the definition box on the line that matches the term.

1) Voltage	6) Ohm	11) Loop
2) Current	7) Watt	12) Alternating Current (AC)
3) Resistance	8) Volt	13) Direct current (DC)
4) Power	9) Circuit	14) Diode
5) Amp/Ampere	10) Schematic	15) I

<b>A</b> A continuous closed electrical circuit.	<b>B</b> Current in which there is a charge in the direction in which electrons flow	<b>C</b> A measure of the power an electrical device consumes				
<b>D</b> The symbol used for current	<b>E</b> Attractive force between positive and negative charges	<b>F</b> A type of current in which the electrons move only from the negative terminal through the wires to the positive terminal in one direction. A battery generates direct current.				
<b>G</b> The measure of the ability of electrons to move through any material	<b>H</b> A drawing that shows how components in a circuit are connected	I Refers to the rate at which electrical power flows to a light, tool, or appliance				
J A unit of resistance	<b>K</b> A device that limits the flow of current to one direction, thereby converting alternating current to direct current	L The flow or the movement of electrons along a conductor				
<b>M</b> A continuous loop of electrical current flowing along wires or cables	N The measure in watts of the amount of work that electric current does while running through an electrical component.	<b>O</b> A measure of electrical pressure. Volts x amps = watts				

## COMMON WORDS in BASIC ELECTRICITY **ANSWER KEY**

### MATCHING

Write the letter in the definition box on the line that matches the term.

 1) Voltage \_\_E\_\_\_
 6) Ohm \_J\_\_
 11) Loop A\_\_\_

 2) Current \_\_L\_
 7) Watt \_C\_
 12) Alternating Current (AC) \_\_B\_\_\_

 3) Resistance \_G\_\_\_
 8) Volt \_O\_\_
 13) Direct current (DC) \_\_F\_\_\_

 4) Power \_\_N\_\_\_
 9) Circuit \_M\_\_\_
 14) Diode \_\_K\_\_

 5) Amp/Ampere\_ I\_\_\_
 10) Schematic \_H\_\_\_
 15) I \_\_D\_\_