

Power Tool Safety Symbols

Your power tool and its Instruction Manual may contain "WARNING ICONS" (a picture symbol intended to alert you to, and/or instruct you how to avoid, a potentially hazardous condition). Understanding and heeding these symbols will help you operate your tool better and safer. Shown below are some of the symbols you may see. This information depicts some of the warning icons commonly used, along with their typical definition and purpose. Warnings used with specific products may vary in appearance.

	Hazard Alerting Safety Symbol communicates information related to the nature of hazards. The pictorial information contained inside this surround shape describes the hazard.
	Mandatory Action Safety Symbol communicates actions that should be followed to avoid hazards. The pictorial information contained inside this surround shape describes the action to be followed.
	Prohibition Safety Symbol communicates actions that should be avoided. The pictorial information contained inside this surround shape describes the action to be avoided.
	Safe Condition Safety Symbol communicates the location of emergency equipment or escape routes. The pictorial information contained inside this surround shape describes the emergency equipment location or direction of escape route.
	Safety Alert Symbol is a symbol that is used to alert to potential physical hazards. It also indicates that the product operator should obey all safety messages that follow this symbol to avoid possible injury or death. The safety alert symbol always proceeds the three signal words DANGER, WARNING, and CAUTION.
 	DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 	WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury
 	CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE	NOTICE is used to address practices not related to physical injury.
SAFETY INSTRUCTIONS	Safety instruction (or equivalent) signs indicate specific safety-related instructions or procedures.
	Wear appropriate eye protection.
	Wear appropriate eye protection and hearing protection.
	Wear appropriate eye protection and respiratory protection.
	Wear appropriate eye protection, hearing protection, and respiratory protection.
	No hands near blade/cutting area.
 	Use two hands.

Student Activities

I Saw That!

See if you can find these 10 saw words in the puzzle below. To double the fun, each one appears twice.

**Band
Chop**

**Circular
Reciprocating**

**Jig
Miter**

**Radial Arm
Saber**

**Saw
Table**

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

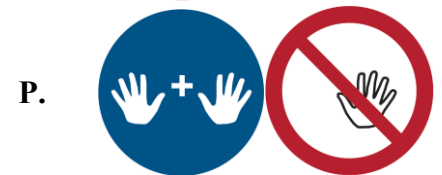
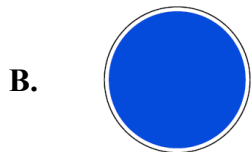
Always, Always/Never, Never!

Some things never change — like the basic rules for using power tools any place, any time. Complete each one of the 10 phrases below with important “Always” and “Never” rules that you recall.

1. When using power tools **ALWAYS** wear _____
2. Before you plug in any power tool, **ALWAYS** make sure _____
3. When you finish using any power tool **ALWAYS** _____
4. **NEVER** attempt to use any power tool without reading _____
5. Before you use a tool, **ALWAYS** make sure all guards are _____
6. **NEVER** use power tools when you are _____
7. If you need an extension cord outdoors, **ALWAYS** _____
8. **NEVER** use any power tool accessory except _____
9. Before starting a job, **ALWAYS** make sure the work area is _____
10. When using hand-held power tools, **ALWAYS** _____

Picture This!

We've talked safety up and down, but do you recognize safety symbols when you see them? Match the symbol to the warning by writing the letter of the safety symbol next to the corresponding warning verbiage on the next page.



Picture This!

Match the symbol on the previous page to the warning by writing the letter of the safety symbol next to the corresponding warning verbiage below.

1. _____ SAFETY ALERT SYMBOL IS A SYMBOL THAT INDICATES A HAZARD
2. _____ WARNING INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY
3. _____ DANGER INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY
4. _____ HAZARD ALERTING SAFETY SYMBOL
5. _____ WEAR APPROPRIATE EYE PROTECTION AND HEARING PROTECTION
6. _____ SAFE CONDITION SAFETY SYMBOL
7. _____ CAUTION INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY
8. _____ WEAR APPROPRIATE EYE PROTECTION, HEARING PROTECTION, AND RESPIRATORY PROTECTION
9. _____ SAFETY INSTRUCTION (OR EQUIVALENT) SIGNS INDICATE SPECIFIC SAFETY-RELATED INSTRUCTIONS OR PROCEDURES
10. _____ WEAR APPROPRIATE EYE PROTECTION
11. _____ NOTICE IS USED TO ADDRESS PRACTICES NOT RELATED TO PHYSICAL INJURY
12. _____ USE TWO HANDS
13. _____ NO HAND NEAR BLADE/CUTTING AREA
14. _____ WEAR APPROPRIATE EYE PROTECTION AND DUST MASK
15. _____ PROHIBITION SAFETY SYMBOL
16. _____ MANDATORY ACTION SAFETY SYMBOL

You Call It!

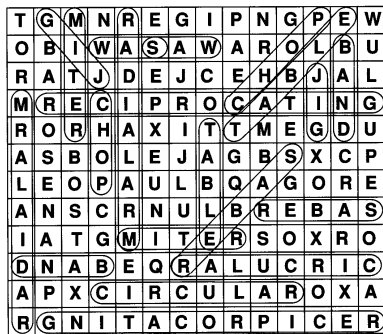
Do you know your Power Switch from your Push Stick? Prove it by matching the safety term on the left to the correct definition on the right.

Power Switch	Required Reading
Goggles	Safety Science Company
Guard	Occurs when you use damaged sanding discs
Pushblock	Safety device that senses electric leaks
Skipping	Offers you “On” and “Off” control
GFCI	Holds workpiece firmly in place
Kickback	Workhelper to keep hands safely away
UL	Necessary protective device that partially covers blades, cutters or bits
Owner’s Manual	Sudden, unexpected, dangerous tool or workpiece movement
Clamp	Required attire

Answer Key:

The following pages offer quizzes and activities that can test and exercise your students' knowledge of power tool safety principles. Also use these activities to keep students occupied productively when you are involved in setting up equipment or procedures. Quiz/ activity answer keys appear on this page. The quizzes and activities themselves follow.

I Saw That



Always, Always/Never, Never

- 1- Goggles
- 2 – The power switch is off
- 3 – Unplug it and put it away
- 4 – The manual
- 5- Attached & working
- 6- Tired or under the influence of alcohol or drugs
- 7- Choose one rated for outdoor use
- 8- Those the tool manufacturer approves
- 9- Clean, dry, well-lit
- 10- Keep a firm grip on them

Picture This

- A – Hazard Alerting Safety Symbol
- B – Mandatory Action Safety Symbol
- C – Prohibition Safety Symbol
- D – Safe Condition Safety Symbol
- E – Safety Alert Symbol is a symbol that indicates a hazard.

- F – DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- G – WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- H – CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- I – NOTICE is used to address practices not related to physical injury.
- J – Safety instruction (or equivalent) signs indicate specific safety-related instructions or procedures.
- K – Wear Appropriate Eye Protection.
- L – Wear Appropriate Eye Protection and Hearing Protection.
- M – Wear Appropriate Eye Protection and Respiratory Protection.
- N – Wear Appropriate Eye Protection, Hearing Protection, and Respiratory Protection.
- O – Use Two Hands.
- P – No Hands Near Blade/Cutting Area.

You Call It!

- Power Switch** - Offers you “On” and “Off” control.
- Goggles** - Required attire.
- Guard** - Necessary protective device that partially covers blades, cutters or bits.
- Pushblock** - Workhelper to keep hands safely away.
- Skipping** - Occurs when you use damaged sanding discs.
- GFCI** - Safety device that senses electric leaks.
- Kickback** - Sudden, unexpected, dangerous tool or workpiece movement.
- UL** - Safety Science Company
- Owner’s Manual** - Required reading.
- Clamp** - Holds workpiece firmly in place.

Notes