

EXTENSION ACTIVITY

LEVEL 9

BOOK TITLE

Hazard Symbols

TOPIC

**Physical Activity and
Injury Prevention**

LENGTH

1 Lesson (1 Hour)



Essential Question

What are hazard symbols and what do they tell us?

LESSON OVERVIEW



In this lesson, the teacher guides the students to understand and discuss common hazard symbols found in school, homes, and the community.

REQUIRED MATERIALS

- Book: *Hazard Symbols* book
- Drawing utensils
- Paper
- Activity worksheets:
Hazard Symbols Cards
Match the Hazard Symbols

LEARNING ACTIVITIES



Class discussion about hazard symbols.



Class discussion about the book.



Completion of the **Match the Hazard Symbols** activity worksheets.

LEARNING CONNECTION

Throughout the lesson, have the students think about hazard symbols and how to act safely and responsibly when they see one at school, in homes, or in the community. This builds on their understanding of the book *Hazard Symbols*. In a class discussion, students will think about how to apply what they have learned to real-life situations. Students will design their own hazard symbol to help them think about how these symbols communicate important information.

READING VOCABULARY

household products, hazards, frame, octagon, container, punctured, aerosol container, corrosive, flammable

PRE-LESSON PREPARATION

1. Photocopy one set of **Hazard Symbol Cards** and **Match the Hazard Symbols** activity worksheets for every student in the class.

HAZARD SYMBOLS

1. Discuss with the students how we use pictures, or signs, to share information. Ask students to provide some examples of symbols they are familiar with.



“Let’s talk about symbols. We use symbols to communicate with each other. Can you think of some examples of symbols that you see every day? What are these symbols trying to communicate to you?”

Examples might include: a stop sign; boys’/girls’ washroom signs; an inukshuk.

2. Explain that the book they will read is about hazard symbols. These symbols are warning signs to tell us about danger.
3. Read the book *Hazard Symbols* with the students. Students can follow along in their own copies at their desks.
4. Using the book as a reference, go back and discuss each of the four symbols and what they mean (explosive, corrosive, flammable, toxic). Emphasize that the most important thing about these symbols is how they indicate that the container or product is hazardous. The symbol indicates this in two ways: the shape of the symbol and the picture within that shape.



“Each of these symbols is different. Let’s talk about what these symbols mean. Pay attention to both the picture on the symbol and the shape of the symbol itself. I’m going to point to a symbol in the book, and then you can tell me what it means. ”

Point to the corrosive symbol.



“What does the shape of this symbol mean?”

Answer: The octagon frame means that whatever is inside the container is dangerous.



“What does the picture tell you?”

Answer: This picture tells you that whatever is in the container could burn, sting, or hurt our skin. It also means that whatever is in the container could burn through other materials, like a table or fabric.

Point to the flammable symbol.



“What does the shape of this symbol mean?”

Answer: The octagon frame means that whatever is inside the container is dangerous.



“What does the picture tell you?”

Answer: This picture tells you that whatever is in the container can catch fire very easily.

HAZARD SYMBOLS

Point to the explosive symbol.



“What does the shape of this symbol mean?”

Answer: The triangle frame means that the container is dangerous.



“What does the picture tell you?”

Answer: This picture warns you that the container could explode.

Point to the toxic symbol.



“What does the shape of this symbol mean?”

Answer: The octagon frame means that whatever is inside the container is dangerous.



“What does the picture tell you?”

Answer: This picture tells you that eating, drinking, licking, or even smelling what is in the container could make you very sick or even kill you.



“What do all of these symbols have in common? Each one tells us that a product or container is dangerous!”

5. Ask students what is the safe action to take when they see a product with a hazard symbol. Give students a chance to respond to this question about each symbol.



“You might see these symbols on containers at school, in your home, or in other places in our community. If you see the corrosive symbol, what should you do?”

Answers might include: Don't get the contents of the container on your skin or clothing; don't spill the contents of the container on any surfaces or objects; don't swallow or drink the contents.



“If you see the flammable symbol, what should you do?”

Answers might include: Keep the contents of the container away from fire or hot surfaces.



“If you see the explosive symbol, what should you do?”

Answers might include: Don't damage the container by dropping or throwing it; keep the container away from fire or hot surfaces.



“If you see the toxic symbol, what should you do?”

Answers might include: Don't swallow, drink, or breathe in the contents of the container.



“Anytime you see one of these hazard symbols, you should always ask an adult to handle the container and whatever is inside the container. You should always keep containers with these symbols on them in a safe space and away from any containers that look like them, so people don't get them confused. You should never transfer the contents of these containers into other containers that don't have these warning symbols on them.”

HAZARD SYMBOLS

6. Hand out the **Hazard Symbols** activity worksheets to each student. One sheet will have pictures of the hazard symbols on them. The other sheet will have the words that describe the symbols. Have students cut out and colour in the hazard symbols. Then, have the students glue the symbols onto the activity worksheet next to the word that describes the symbol.
7. When the students are done, organize them into pairs. In pairs, students will think of an original hazard symbol that they will design and draw. When they are finished, have each pair of students present their original hazard symbol to the class.

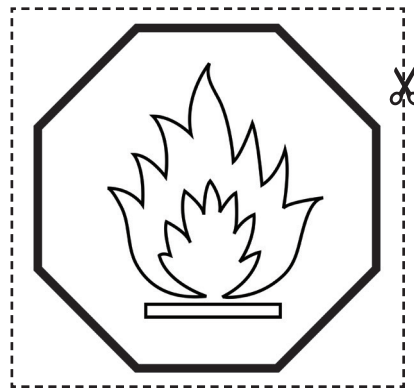
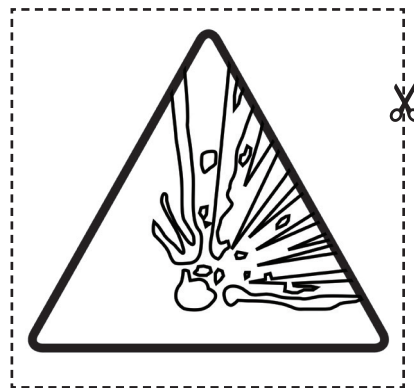
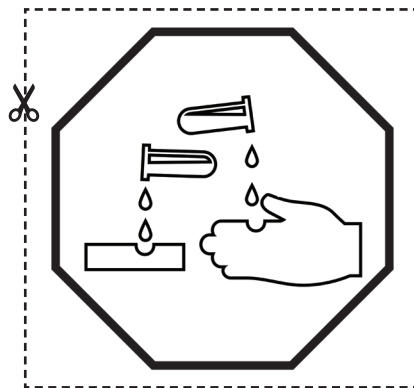
Examples might include: hazard symbol warning of thin ice; hazard symbol warning of sharp objects; hazard symbol warning of fast snowmobile drivers.

SHARING AND DISPLAYING (CLASSROOM REINFORCEMENT)

1. Students can display their original hazard symbols in the classroom.

Hazard Symbols Cards

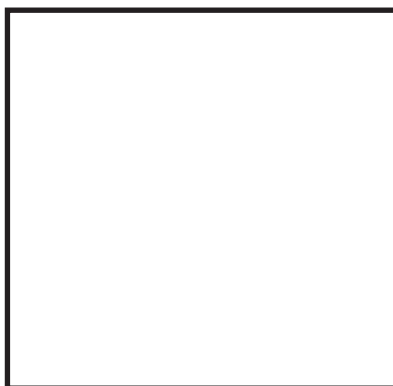
Colour in the symbols either orange or yellow. Remember that the colour you choose sends a message about the symbol. Use the book *Hazard Symbols* to remember which colour to use.
Cut out the symbols carefully.



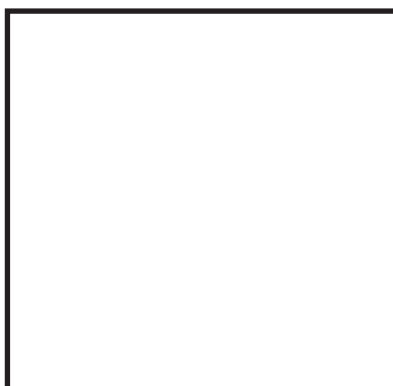
Name: _____

Match the Hazard Symbols

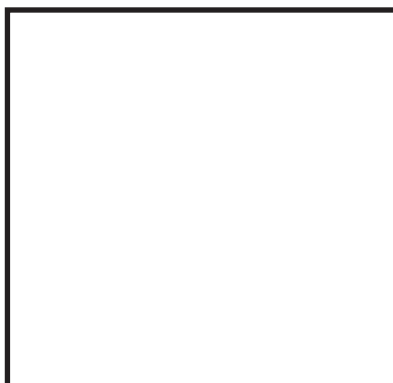
Glue each hazard symbol next to the correct name for that symbol.



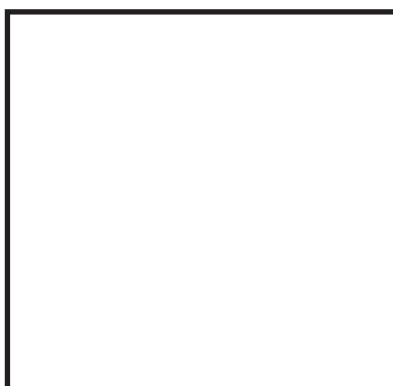
CORROSIVE



FLAMMABLE



EXPLOSIVE



TOXIC