

INTERPRETIVE ACTIVITY OUTLINE

TOPIC/SUBJECT: WINTER WATER SAFETY

TITLE: WINTER SAFETY QUIZ GAME

FORMAT: This program consists of a quiz game to reinforce an ice safety program but can be run separately.

TARGET AUDIENCE/AGE LEVEL: Gr. 2 – 5.

LENGTH OF PROGRAM: 15 – 20 minutes.

THEME: Winter activities require special attention to potential hazards near frozen lakes, ponds and rivers.

GOAL/PURPOSE: The goal of this program is to raise awareness of basic winter ice safety.

OBJECTIVES: Following this quiz game, students should be able to:

1. Know safe thickness for walking, snowmobiling, vehicles.
2. Know to dress in layers for best protection against exposure to winter weather.
3. Stay safe by getting help when someone falls through the ice.

DESCRIPTION:

Introduction:

A set of questions is created and printed onto large print cards, with answers. A display board is beneficial in order to keep items and visual display safe during transportation and use. This quiz game is run by calling up a volunteer from each class who then will roll the dice and pick a question to be answered by his classmates. Repeat this process until each class has a turn. If time allows, it is possible to have a round where the student will ask their own teacher a question. Classes often become competitive and this seems to help focus their attention on the basic safety points.

Main Body:

Leader: Welcome to our “lightning round” of the Winter Safety Quiz Game. Each class will send up a volunteer to read a question to his/her own class. This will repeat until each class has a chance. If time allows we will do 2 rounds- the 2nd round the student will read the question for his/her own teacher to answer. The class will serve as a “lifeline” that can provide an answer if necessary. Let’s get started. First Class, who will be first? Come on down! What is your name and whose class will you read for? Ok Tracy, you are reading for Mrs. Sweeney’s class- roll the dice and pick a question. (Repeat process until entire group and if time allows, teachers have participated)

WINTER SAFETY QUIZ GAME QUESTIONS

1. HOW DEEP DOES ICE NEED TO BE FOR SOMEONE TO WALK ON IT SAFELY? Ans.: 4 inches.

**2. AT WHAT TEMPERATURE DOES WATER FREEZE?
Ans.: 32 degrees F.**

3. T/F? IF YOU FALL THROUGH THE ICE YOU SHOULD TAKE YOUR EXTRA CLOTHES OFF. Ans.: No, any added insulation will help keep you warmer.

**4. HOW FAST DO ICE TRUCKERS NEED TO DRIVE TO BEAT THIN ICE?
Ans.: Trick Question! Ice thickness not speed is important for safety.**

5. T/F SNOW COVERED ICE IS SAFER. Ans.: False, ice thickness is the key factor not snow cover.

6. WHAT ARE 2 SIGNS OF HYPOTHERMIA? Confusion or unconsciousness.

7. T/F WHEN A DOG FALLS THROUGH ICE YOU SHOULD RUSH TO RESCUE THEM. Ans.: False, call 911-stay safe.

**8. WHAT CAUSES FROSTBITTEN SKIN TO TURN COLORS?
Ans.: Circulation is cut off to extremities and discoloration may occur.**

**9. HOW THICK MUST ICE BE FOR ICE TRUCKERS TO DRIVE ON IT?
Ans.: 24 inches.**

10. HOW THICK DOES ICE NEED TO BE FOR A SNOWMOBILE TO DRIVE OVER IT? Ans.: 5 inches.

11. T/F ICE ON A RIVER IS SAFER THAN LAKE OR POND ICE DUE TO WATER CURRENTS. Ans.: False, river currents make river ice dangerous due to changes in air space under ice.

12. T/F WHEN SOMEONE FALLS THROUGH THE ICE YOU NEED TO CALL 911. Ans.: True.

13. NAME THE TOOL ICE FISHERMAN USE TO DRILL ICE HOLES. Ans.: Auger.

14. T/F ICE CONDITIONS ARE SAFE FOR THE SEASON ONCE ICE FREEZES SOLID. Ans.: No, ice thickness needs to be checked regularly by adults.

15. NAME 2 FUN ACTIVITIES KIDS DO ON ICE. Ans.: Skating, hockey.

16. WHO SHOULD YOUR PARENTS CALL TO CHECK ON ICE SAFETY? Ans.: Fire Dept. or Police Dept.

17. IF YOU FALL INTO THE ICE, WHY SHOULD YOU KEEP YOUR ARMS UP OUT OF THE WATER? Ans.: Keeping your head up keeps you from drowning, should you become unconscious.

18. T/F DRESSING IN LAYERS OUTSIDE WILL KEEP YOU WARMER. Ans.: True.

CONCLUSION:

Leader: What an awesome “lightning round” of the Winter Safety Quiz Game”. You have learned how to be safe during your winter activities. Have a great winter and we will see you out at the lake. Thank you for your attention. Be Safe!

SUGGESTED MATERIALS & EQUIPMENT:

Display board of winter activities and possible hazards-can have pockets to hold questions.

Dice

Water Safety Handouts and Posters

Well written questions-age appropriate

SOURCE OF ICE THICKNESS INFORMATION:

Massachusetts Division of Fisheries and Wildlife

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