

Ag Adventure Lesson Plan

Subject Area: Farm Bureau

Grade Level: 3

Learning Center: Farm and Tractor Safety

Objectives:

~Students will list safety measures when around farm equipment and livestock animals.

~Students will be able to identify proper clothing etiquette while visiting/working on a farm and around livestock.

~Students will be able to recognize the important of observing their surroundings and weather changes.

Standards:

Earth's Systems Science 3.3.1: Evaluate evidence that Earth's geosphere, atmosphere, hydrosphere, and biosphere interact as a complex system.

Materials Needed:

- Brush hog mower
- Dummy

Personnel Needed:

- Mower Driver
- 3-4 Volunteers
 - Speakers and helpers for the dummy demonstration.
 - *please have volunteers dress appropriately*

Lesson Plan

Instructor:

Students:

Part 1: Farm Rule

-Ask students to raise their hand if they have been on a farm.

-Ask the students to tell you some farm rules to follow.

- Go over a basic list of rules already prepared.

Part 2: Why is it important to wear proper clothing?

-Ask students what kind of clothes to wear on a farm.

-Use yourself as an example of what to wear on a farm. Go through and explain why.

Part 3: Why do you need to pay attention to your surroundings and the weather?

-Ask students if they love to live in Colorado.

- Explain how the weather can change quickly and they need to recognize those changes and seek shelter.

- Tractor demonstration

-Raise hands.

-Listen quietly and answer as a group when asked a question.

-Answer by raising hands, only call on one or two students for each.

-Listen quietly.

-Listen quietly.

-Watch demonstration.

Assessments:

Ask Students:

What are some farm rules to follow?

Why do you not play on farm equipment?

What is the proper clothing to wear on a farm?

Why do you need to watch the weather while on a farm?

Sources:

The National Education Center for Agricultural Safety <http://www.necasag.org/>

Farm and Tractor Safety Script

Part 1: Farm Rules

Volunteer: Today we are going to talk about tractor safety and being safe while on a farm.

Volunteer: First, I would like you to raise your hand if you have ever been on a farm before. *Wait for students to raise hands.*

Volunteer: Okay, great! Now, did you have to follow any rules while you were on the farm? What are some rules you should follow? *Call on a few students and get answers.* Those are all great answers!

Volunteer: There has to be rules on a farm just like in a classroom to keep everyone safe! Here are some good ones to follow:

Stay away from big equipment, (like tractors), stay as a group and pay attention to your surroundings, don't feed the animals unless given permission, and always wear proper clothing and wash your hands!

Part 2: Why is it important to wear proper clothing?

Volunteer: Can anyone tell me what kind of clothes to wear to a farm? Hint: Look around at your classmates to get some ideas! *Let the students look around before taking answers. Pick 2-3 students to answer.*

Volunteer: Let's look at how I am dressed for some answers! *If, of course you are dressed in proper clothing, otherwise pick a CSU volunteer who is. Do not use students as examples of inappropriate dress!*

I have long pants on to protect myself from weeds and other things that can poke me. I have a t-shirt on that is not baggy and is the right size for me so it won't get caught on anything, especially the tractor! And finally, I have on shoes that cover my toes and heel so that I don't step on anything and nothing can step on me!

Part 3: Why do you need to pay attention to your surroundings and the weather?

Volunteer: How many of you love to live in Colorado? *Let students raise their hands.* Me too! It is so beautiful. But it is important to remember that in Colorado, the weather can change very quickly. What are some different types of weather we have in Colorful Colorado?

Volunteer: So one moment you can be outside, and the sun will be shining and the next moment, it will be very windy and the cloudy. If you are out on a farm, it is especially important to pay attention to the weather, that way you can seek shelter if there is a storm coming!

Volunteer: Are there any questions?

Volunteer: So please remember your farm and weather safety rules when you visit a farm. We have a small demonstration for you about tractor safety. Please turn and look at the tractor and remember what we talked about concerning farm safety.

Fact Sheet Farm Safety

- The top five tractor brands in the US are: John Deere, Massey Ferguson, New Holland, Case IH, and Ford.
- Tractors cause the most serious injuries on farms with turnovers being the largest problem.
- Farmers are exposed to hazardous conditions including dust, sun, noise, chemicals, etc.
- There are approximately 3.1 million men and women who work on America's 2.3 million farms and ranches.
- California, Iowa, Nebraska, and Illinois have the highest agriculture sales, which means they sell the most!
- Texas, Missouri, Iowa, Oklahoma, and Kentucky have the most farms.
- Consumers spend \$547 billion for food originating on US farms and ranches.
- Agricultural land provides habitat for 75% of the nation's wildlife.
- Nearly 2 million people farm or ranch in the United States.
- Farmers only receive approximately 20 cents for dollar consumers spend.
 - Marketing and processing are the more profitable parts of the food industry.

References:

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