



The Missing Food Mystery

Workshop Activity 5

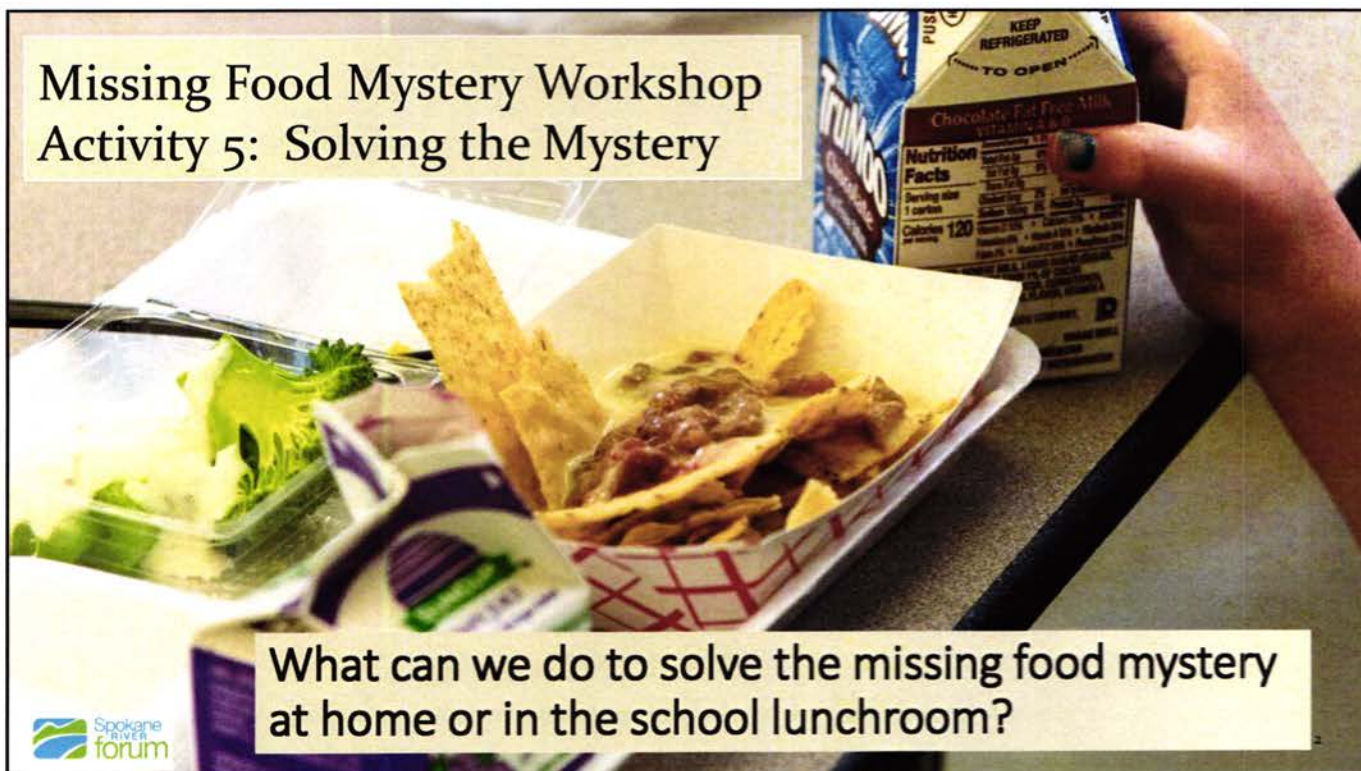
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How to read the notes:

1. Teacher script is indicated by **T: and is bolded.**
2. Teacher actions are shown in (*parenthesis and italics*)
3. Opportunities for ORAL STUDENT RESPONSES or written student responses in the MYSTERY DATA LOG are shown in ALL CAPS.

Missing Food Mystery Workshop Activity 5: Solving the Mystery



What can we do to solve the missing food mystery at home or in the school lunchroom?

T: We started investigating the Missing Food Mystery by learning that one out of every four bags of groceries that the average family buys are thrown away.

T: We learned some background information about our mystery when we investigated all the resources it takes to grow, ship and market a popular food item like a banana.

T: Our investigations/research revealed some of the reasons that people throw food away. Now the important question is what can we do to solve the food waste problem. What Ideas do you have?

ORAL STUDENT RESPONSES



T: Let's look at an image called the Food Recovery Hierarchy (in this case, hierarchy refers to the order of importance), or sometimes we see it called a Food Recovery Pyramid. This image helps us think about where our food goes, and how we can do a better job with less waste and more recovery.

As you can see, these options are listed as "Most Effective" to "Least Effective" that means that the top are the options we should be trying out first before we throw food in a garbage bin. We're going to explore the top four options by visiting four "food saving" stations. Our four groups are 1. Reducing Wasted Food 2. Donating Excess Food 3. Feeding Animals and 4. Composting.

(Teacher breaks group into four station groups)

T: At each station, your group will have a couple of minutes to talk about how you could help to prevent food waste. Take a bit of time to think about actions you could take to reduce food waste-and when you're done, we'll hear ideas from each group-are you ready? Discuss!

ACTIVITY 5A: USE YOUR MYSTERY DATA LOG TO RECORD YOUR IDEAS

(Teacher circulates around the room to help answer any questions or provide encouragement, after three minutes call groups back to attention)

T: Alright everyone, let's hear one or two ideas from each group

(Teacher facilitates discussion)

T: These were some great ideas-congratulations investigators! Speaking of investigations, its time for us to investigate food waste in our homes and lunchroom.

Investigate the Missing Food Mystery at home

USE THIS WASTE AUDIT SHEET IN YOUR MYSTERY DATA LOG.



Can You Solve the Missing Food Mystery?
Food Waste - Home Audit

Use your Investigator Eyes, Ears, and Nose



Date:	What food did I throw away at home?	Why?
Situated	<input checked="" type="checkbox"/> Meat <input type="checkbox"/> Vegetable <input type="checkbox"/> Fruit <input checked="" type="checkbox"/> Breads /Grains <input checked="" type="checkbox"/> Beverage (milk, fruit juice, soda) <input type="checkbox"/> Other _____	I saw mold My banana was black The milk smelled sour I heard my mom say it was expired I was full I didn't like the taste
Dev 1	<input type="checkbox"/> Meat <input type="checkbox"/> Vegetable <input type="checkbox"/> Fruit <input type="checkbox"/> Breads /Grains <input type="checkbox"/> Beverage (milk, fruit juice, soda) <input type="checkbox"/> Other _____	
Dev 2	<input type="checkbox"/> Meat <input type="checkbox"/> Vegetable <input type="checkbox"/> Fruit <input type="checkbox"/> Breads /Grains <input type="checkbox"/> Beverage (milk, fruit juice, soda) <input type="checkbox"/> Other _____	

"Best By" "Sell By" and "Best if Used By" dates are not expiration dates. The food may still be good to eat. Ask an adult. Use your eyes, ears, and nose.

Name: _____ My solution for reducing food waste at home: I will

T: Investigators/Scientists, Now that we know how much food is wasted, and we've talked about some solutions, let's continue to solve the mystery and rescue food at home.

T: ACTIVITY 5B: In your Mystery Data Log is a data sheet for home that will help you to investigate food waste. Collect data on what food is thrown away and why it was thrown away. For example, we might throw away fruit because it is moldy, or milk because it is sour. Once we've recorded our observations, we can think about possible solutions for rescuing that food before it gets thrown out. Any questions?

STUDENTS LOOK AT THE DATA SHEETS IN AND ASK CLARIFYING QUESTIONS.

Investigate the Missing Food Mystery at school.

USE THIS WASTE AUDIT SHEET IN YOUR MYSTERY DATA LOG.



Can You Solve The Missing Food Mystery?
Food Waste - School Lunch Audit

Use your Investigator Eyes, Ears, and Nose



Date:	What food did I throw away at school?	Why
School	<input checked="" type="checkbox"/> Meat <input type="checkbox"/> Vegetable <input checked="" type="checkbox"/> Fruit <input checked="" type="checkbox"/> Breads /Grains <input checked="" type="checkbox"/> Beverage (milk, fruit juice, soda) <input type="checkbox"/> Other: _____	It looked like it would taste bad It smelled yucky I was told to take it, but I didn't want it I was full I didn't like the taste My friends told me to hurry up
Day 1	<input type="checkbox"/> Meat <input type="checkbox"/> Vegetable <input type="checkbox"/> Fruit <input type="checkbox"/> Breads /Grains <input type="checkbox"/> Beverage (milk, fruit juice, soda) <input type="checkbox"/> Other: _____	
Day 2	<input type="checkbox"/> Meat <input type="checkbox"/> Vegetable <input type="checkbox"/> Fruit <input type="checkbox"/> Breads /Grains <input type="checkbox"/> Beverage (milk, fruit juice, soda) <input type="checkbox"/> Other: _____	

Name: _____ My solution for reducing food waste at school, I will

T: Investigators/Scientists, Now that we know how much food is wasted, and we've talked about some solutions, let's continue to solve the mystery and rescue food in the school lunchroom.

T: ACTIVITY 5C: In your Mystery Data Log is a data sheet for school that will help you to investigate food waste. Collect data on what food is thrown away and why it was thrown away. For example, we might throw away fruit because it is moldy, or milk because it is sour. Once we've recorded our observations, we can think about possible solutions for rescuing that food before it gets thrown out. Any questions?

STUDENTS LOOK AT THE DATA SHEETS IN AND ASK CLARIFYING QUESTIONS.