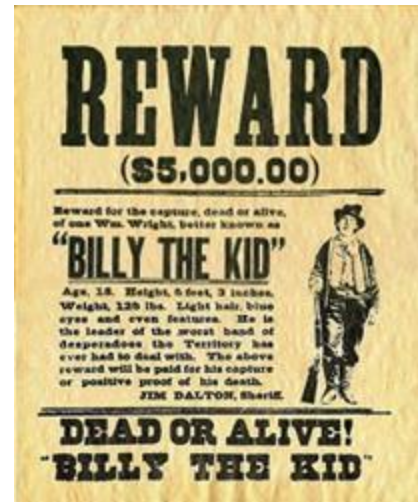


Most Wanted Nutrient Project

OVERVIEW

You head out to your garden one morning and realize that your plants are looking kind of sad... and you immediately know that the culprit is nutrient deficiency (there is not enough of a certain nutrient available to your plants). Using your resources, you are going to learn more about the nutrient that seems to be missing in your garden through making a “Most Wanted” poster. At a minimum, include:

- The name of the nutrient deficiency.
- A picture of what the nutrient deficiency looks like.
- What the nutrient provides for the plant (the role).
- A list of common nutrient deficiency symptoms.
- At least 2 ways or methods the nutrient can be applied to restore the plant’s health.
- At least 3 fun facts about the nutrient.
- Some type of reward for “finding” the nutrient
- ON THE BACK: Your name and a list of sources and references for your information.



You can make your poster on a computer and print it, or you can make it on 11 x 17” paper. When we are finished making our posters, we will hang them up around the classroom and shop and have a “gallery walk.” We will take some notes and then vote on our favorite posters. Be creative and have fun with this! I am expecting colorful, fun and informative posters. Check out the grading rubric to see how you will be evaluated.

STEPS TO SUCCESS

STEP 1: Identify your nutrient!

- Select the nutrient you would like to work on for this assignment.
- Plants require 17 essential elements for growth: carbon (C), **hydrogen** (H), **oxygen** (O), **nitrogen** (N), **phosphorus** (P), **potassium** (K), **sulfur** (S), **calcium** (Ca), **magnesium** (Mg), **boron** (B), **chlorine** (Cl), copper (Cu), iron (Fe), **manganese** (Mn), **molybdenum** (Mo), nickel (Ni), and **zinc** (Zn).
- All nutrients must have at least 1 student working on them.

STEP 2: Research your nutrient!

- Fill out the poster planning information sheet to gather information about the plant before you begin your poster.
- Ask if you need help finding information. Some resources have been posted to Google Classroom, too.

STEP 3: Create your poster!

- Follow the grading rubric and create a fun, colorful and catchy poster!
- Print out or have your poster ready to go for the gallery walk.

STEP 4: Share your poster!

- Share your poster in the class gallery walk and take notes on the other posters.

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AGRICULTURAL EDUCATION

POSTER PLANNING INFORMATION SHEET

Directions: Complete this worksheet as you research information to include on your poster.

1. My nutrient deficiency is...
2. Have I found a picture of the deficiency?
3. What does the nutrient provides for the plant?
4. Some common nutrient deficiency symptoms...
5. 2 ways or methods the nutrient can be applied to restore the plant's health...
6. 3 fun facts about the nutrient...
7. My reward for the nutrient's return is...
8. My sources and references...

Most Wanted Nutrient Grading Rubric

Name: _____

Hour: _____

Category	Exceeds Expectations (4-5 points)	Meets Expectations (2-3 points)	Area of Development (0-1 point)	Score x Wght.	Pts. Poss.	Pts. Earn.
Name of Deficiency	The student includes the name of the nutrient deficiency.		The student does not include the name of the nutrient deficiency.	___x0.2	1	
Picture of Deficiency	The student includes a picture of what the deficiency looks like in a plant.		The student does not include a picture of what the deficiency looks like in a plant.	___x0.2	1	
What Nutrient Provides	The student briefly describes the role of the nutrient and what it provides to the plant.	The student partially describes the role of the nutrient and what it provides to the plant.	The student attempts to describe the role of the nutrient but may include some inaccuracies.	___x1.0	5	
Deficiency Symptoms	The student lists several accurate deficiency symptoms.	The student lists a few accurate deficiency symptoms.	The student does not include many accurate deficiency symptoms.	___x1.0	5	
Application Methods	The student highlights at least 2 application methods.	The student highlights 1 correct application method.	The student does not include any correct application methods.	___x1.0	5	
Fun Facts	The student shares at least 3 accurate fun facts about the nutrient.	The student shares 2 accurate fun facts about the nutrient.	The student shares fewer than 2 accurate fun facts about the nutrient.	___x1.0	5	
Reward and General Format	The student includes a "reward" and follows the general creative theme and format of a most wanted poster.	The student does include a "reward" but the poster does not entirely resemble a most wanted poster.	The student may not include a "reward" and/or the poster does not at all represent a most wanted poster.	___x0.2	1	
Sources	The student gives credit to all sources and includes their name on the back of the poster.	The student gives credit to most sources and includes their name on the back of the poster.	The student does not give credit to the majority of sources and/or does not include their name.	___x0.2	1	
Neatness and Organization	The poster is well-organized, utilizes color and is visually appealing.	The poster is either cluttered and/or lacks visual appeal or color.	The poster lacks color, creativity and lacks overall visual appeal	___x0.5	2.5	
Creativity	The student goes above and beyond and creates a very creative and fun poster.	The student's project is somewhat creative but could use additional creative elements.	The project lacks creativity, uniqueness or originality.	___x0.5	2.5	
Grammar, Spelling and Mechanics	No distracting mechanical, grammar or spelling errors are present.	Fewer than 2 distracting mechanical, grammar or spelling errors are present.	More than 2 distracting mechanical, grammar or spelling errors are present.	___x0.2	1	
FINAL TOTAL					/30	
FINAL GRADE						

Comments:

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