

WANTED

Researcher Name: _____ Period: _____ Pathogen: _____ Disease: _____

Bacteria Wanted Poster Research Project

Background Information:

Students will research one bacterial pathogen and the disease crime that it causes. They will then produce an old style wanted poster with the given parameters.

Poster Guidelines: create a section for each of the following pieces of information

1. Title
 - Ex- Wanted “Listeria” (common name)
 - Scientific Name
2. Mug shot
 - a microscopic picture of the bacterium
 - Add a picture of the bacteria in action (victim under attack)
 - Label the parts of the bacterium (ex cell wall flagella. etc.)
3. Attacks
 - Body systems it attacks (Nervous, Muscle, respiratory, circulatory. etc.)
 - Different types of infections – is there more than one type?
 - How is it transmitted (Air water droplets, contact ingestion, blood. etc.)
4. Victims
 - Who is most at risk
 - What types of workers have been exposed (carpenters, soldiers, medical etc.)
5. Crime
 - Injury to victim (symptoms) (ex Fever, swelling, pain, loss of consciousness, etc.)
 - Damage to the body (ex. Tissue damage, loss of body parts, death, etc.)
6. Hideout
 - Where it can be found –where would a person come in contact with the bacteria
7. Weapons
 - Ways to defend yourself from contracting this disease
 - Prevention (ex. Immunization, hand washing, etc.)
 - Treatments (ex. Antibiotics, surgery, etc.)
8. Other details
 - Make sure your poster is colorful.
 - Poster must be e-mailed to Rachel.gensburg@neomin.org
 - You have a Google doc shared with you for the purpose of research and saving work.
 - All final products are turned in by making a PicCollege, and e-mailing it to Mrs. Gensburg.

In Class Work Date: 4/3 and 4/4

Project Due Date: end of period 4/4/14

Suggested sites to use.

Centers for Disease Control

<http://www.cdc.gov/>

MILVAX

<http://www.vaccines.mil/default.aspx?cnt=disease/diseasehome>

MedicineNet.com

http://www.medicinenet.com/diseases_and_conditions/article.htm

Bacterial Image Library

<http://www.rkm.com.au/imagelibrary/index.html#bacteria>

NIH-National Institute of Health

<http://www.nih.gov/>

Online Textbook of Microbiology

<http://www.textbookofbacteriology.net/index.html>

Grading Rubric:

Criteria	4	3	2	1	Score
Title	Common and scientific name given, spelled correctly.	Common and scientific name given, slight spelling error.	Only common or scientific name given, or grossly misspelled	Unable to determine name of bacterium	
Mug Shot	Neat, colorful, accurate, labeled picture of the bacteria	Accurate picture of the bacteria but may be missing labels, color or neatness	Bacteria pictured is inaccurate, messy, lacks color	No picture or <25% attempted	
Attacks	Clearly identifies: body system attacked, types of infections, transmission	Identifies: body system attacked, types of infections, transmission but lacks clarity	Attempts to identify: body system attacked, types of infections, transmission but is incomplete	Little attempt to identify: body system attacked, types of infections, transmission	
Victims	Identifies organism infected & gives examples of victims	Identifies organism infected but examples of victims is unclear	Attempts to identify victim but does not include examples	Missing or unable to determine organism infected	
Crime	Clearly & thoroughly describes major symptoms & damage to the body	Describes major symptoms & damage to the body but could be more descriptive	Attempts to describe symptoms or damage to the body	Little attempt to describe symptoms or damage to the body	
Hide Out	Clearly describes where bacteria can be found/contacted	Describes where bacteria can be found/contacted but could add more detail	Attempts to describe where bacteria can be found but is unclear	Confusing or no attempt made to describe where bacteria are found	
Weapons	Defenses against bacterium are fully explained along with prevention & treatment	2 of 3 are explained: defenses against bacterium, prevention, or treatment	Attempts to explain 1 of 3: defenses against bacterium, prevention, or treatment	Confusing or not attempted	
Neatness	Completely legible, neat, well organized, pride & effort is evident in end product	Legible, neat, organized, average care & effort evident in end product	Lacks pride & care: illegible at times, poorly organized, messy, unappealing	Poor pride & care: mostly illegible, poorly organized, messy, unappealing	
Accuracy	Information is accurate, reliable, & complete	Information is mostly accurate, reliable, & complete	Some information is accurate, reliable but some is complete	Significant errors in information are evident	
Creativity	Poster is presented in unique, inventive, or humorous way	Poster reflects average creativity	Poster lacks creativity	Poster is incomplete	
Total = 40 pts					

Assignment modified from

https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=6&cad=rja&ved=0CDkQFjAF&url=http%3A%2F%2Fwww.waterfordschools.org%2Fcms%2Flib4%2FCT01001345%2FCentricity%2FDomain%2F202%2FBacteria_wanted_poster.doc&ei=yVlhUtiWKMTuyAHSICwDg&usq=AFQjCNHWUizxkzFDd6F8hD_CgvIhmQsh2A&sig2=fKWhZM4Bul1Z1ixWWM4pLg&bvm=bv.54176721,d.aWc

<http://www.cpet.ufl.edu/wp-content/uploads/2013/03/Bacteria-Wanted-Poster-Project.pdf>