**Microbiology Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Microbes & Infectious Diseases Block: \_\_\_\_\_\_\_**

 **Due: Feb 9 & 10**

Each student will be required to research a pathogen and create a wanted poster using the template provided.

**Criteria**: Each project should include **all** of the following material:

(Check when you’ve completed)

\_\_\_\_\_ 1. Have your disease approved by your teacher: \_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ 2. **Photo:** In color: may be printed or hand drawn. You could print it in black and white and then add color with marker or colored pencil. Microscopic view or gram stain.

\_\_\_\_\_ 3. **Written Description** of pathogen (IN YOUR OWN WORDS)

\_\_\_\_\_ 4. Organism’s **Modus Operandi** or M.O. (Police jargon for habits or what the organism is known for)

\_\_\_\_\_ 5. Most **Common Victims** to prey upon

\_\_\_\_\_ 6. **Hide-Out** of the culprit (where it’s most likely/commonly found)

\_\_\_\_\_ 7. Most **Common Symptoms** done to the victim

\_\_\_\_\_ 8. **Threat Rating:** Is this pathogen considered armed and dangerous? (Rate the degree of damage caused)

\_\_\_\_\_ 9. **Number of Victims**

\_\_\_\_\_ 10. **Prevention or Treatment:** Most effective weapon against the germ

\_\_\_\_\_ 11. **Identifying Characteristics:**

\_\_\_\_\_ 12. ALL NOTES AND RESEARCH MUST BE SHARED ON A GOOGLE DOC!

**LABEL** all the parts of your project. Use the **10** labels above that are in **bold and underlined**.

**Resources**: Online resources for your pathogen

* http://www.cdc.gov/ncidod/dbmd/diseaseinfo/default.htm
* http://www.niaid.nih.gov/topics/pages/default.aspx
* http://www.niaid.nih.gov/topics/biodefenserelated/biodefense/pages/cata.aspx
* You may use other resources/websites to complete your research.

**Hints and Suggestions**:

* DO NOT copy your work; put everything in your own words!!!!
* Turn in your project on time.
* BE CREATIVE. If you add additional information and go over and beyond the criteria it is possible to receive bonus points!
* Use the rubric below to help guide you.



**Microbiology Project Rubric**

**Microbes & Infectious Diseases**



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Viral** | **Bacterial** | **Parasite** | **Fungal** | **Zoonotic** |
| Viral Meningitis | Tuberculosis | Malaria | Thrush | Hantavirus |
| Conjunctivitis | Cholera | Echinococcosis | Valley Fever | Bovine Spongiform Encephalopathy |
| Measles | Typhoid Fever | Leishmaniasis | Blastomycosis | Avian Flu |
| Polio | Leprosy | Schistosomiasis | Madura foot | Swine Flu |
| Rabies | Tetanus | African Sleeping Sickness | Cryptococcosis | Marburg Fever |
| Norovirus | Botulism | Trichinellosis | Aspergillosis | Yellow Fever |
| SARS | Bacterial Meningitis | Cystoisosporiasis | Zygomycosis | Dengue Fever |
| Hepatitis E | Clostridial Myonecrosis | Toxoplasmosis | Tinea Pedis | Cellulitis |
| Mononucleosis | MRSA | Giardiasis | Tinea Capitis | Lyme Disease |
| Mumps | Salmonella | Guinea Worm | Ringworm | Tularemia |
| Chicken Pox | Diptheria | Tungiasis |  | Rift Valley Fever |
| Shingles | Typhus Fever | Cryptospiridiosis |  |  |
| HIV | Bubonic Plague | Hookworm |  |  |
| Lassa Fever | Pneumonia | Scabies |  |  |
| West Nile Virus | Kawasaki disease | African Trypanosomiasis |  |  |
| Machupo Virus | Scarlet Fever | Changas Disease |  |  |
| Nipah Virus | Pertussis | Acanthamoeba Keratitis |  |  |
| Coxsackie Virus | Necrotizing Fasciitis | Paragronimiasis |  |  |
| B Virus |  | Naegleria Fowleri |  |  |
| Ebola Virus |  |  |  |  |