



## Microbiological Pamphlet Production Project

The pamphlet project produces a single page tri-fold as an educational strategy. The objectives of this project are to work as a team researching and producing a pamphlet to a "target" population with the appropriate level and type of information. The latest information and data on outbreaks on the topic should be researched on the Internet and included in the pamphlet. Clipart, photos, graphs or tables that enhance the information are important, but all must be properly cited. This assignment requires that the team meet with the instructor once to discuss the ideas, topic, and due date before final production occurs

The pamphlet project produces a single page folded pamphlet that can be handed to people concerning a microbiological topic, such as *Preventing Food Infections in the Kitchen*, *Childhood Immunizations*, or *Transmission of Sexually Transmitted Diseases*. You determine and identify the audience based upon the level and purpose of the information. For example - are you addressing teenagers about Sexually Transmitted Infections (STIs) or new mothers about childhood immunizations? It is important that the "target" population be considered as it will determine the level and type of information presented.

### Pamphlet Objectives:

- Work as a team researching and producing a pamphlet that can be handed to people concerning an important microbiological topic dependent upon educating susceptible populations.
- Develop a pleasing and readable informational pamphlet
- Determine current statistical data on the topic at Kern Public Health or CDC
- Present the pamphlet and information to the class with adequate preparation to answer questions
- Educate the audience that you identify

### Examples of possible topics:

- Anthrax
- Arboviral neuroinvasive and non-neuroinvasive diseases
  - California serogroup virus disease
  - Eastern equine encephalitis virus disease
  - Powassan virus disease
  - St. Louis encephalitis virus disease
  - West Nile virus disease
  - Western equine encephalitis virus disease
- Brucellosis
- *Chlamydia trachomatis* infection
- Cholera
- Coccidioidomycosis - Valley Fever
- Cryptosporidiosis
- Dengue
  - Dengue Fever
  - Dengue Hemorrhagic Fever
  - Dengue Shock Syndrome
- Diphtheria
- Ehrlichiosis/Anaplasmosis
  - *Ehrlichia chaffeensis*
  - *Ehrlichia ewingii*



- *Anaplasma phagocytophilum*
  - Undetermined
- Giardiasis
- Gonorrhoea
- *Haemophilus influenzae*, invasive disease
- Hansen disease (leprosy)
- Hantavirus pulmonary syndrome
- Hemolytic uremic syndrome, post-diarrheal HUS
- Hepatitis A
- Hepatitis B
- Hepatitis C
- HIV infection\*
- Listeriosis
- Lyme disease
- Malaria
- Measles
- Meningococcal disease
- Mumps
- Pertussis
- Plague
- Poliomyelitis
- Rabies
- Rubella., Rubella, congenital syndrome
- Salmonellosis
- Severe Acute Respiratory Syndrome-associated Coronavirus (SARS-CoV) disease
- Shigellosis
- Smallpox
- Streptococcal toxic-shock syndrome
- *Streptococcus pneumoniae*
- Syphilis
  - Primary
  - Secondary
  - Latent
  - Neurosyphilis
  - Congenital
- Tetanus
- Trichinellosis (Trichinosis)
- Tuberculosis
- Tularemia
- Typhoid fever
- Vancomycin - resistant *Staphylococcus aureus* (VRSA)
- Ebola virus
- Childhood Vaccinations
- MRSA and patient care
- Safe Food preparation guides
- Antibiotic Abuse
- Travel advisories
- Home disinfection
- Head Lice
- Safe water
- Guide to healthy holiday food preparation
- Allergies -causes and treatments
- Primary Immuno-deficiency disease
- Polio virus to fight cancer  
<http://www.dukechronicle.com/article/2016/05/poliovirus-cancer-treatment-by-duke-researchers-receives-breakthrough-status-from-fda>
- Bacteriophage therapy  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC90351/>
- Teixobactin – first new antibiotic in 30 years  
<http://www.telegraph.co.uk/science/2016/03/14/first-new-antibiotic-in-30-years-discovered-in-major-breakthrough/>
- Vaccines made in space  
[http://www.nasa.gov/mission\\_pages/station/research/benefits/vaccine\\_development.html](http://www.nasa.gov/mission_pages/station/research/benefits/vaccine_development.html)
- Culturing Gut Bacteria: Most Gut Microbes Can Be Cultured  
<http://www.the-scientist.com/?articles.view/articleNo/46019/title/Most-Gut-Microbes-Can-Be-Cultured/>
- Vaccine Development;New Zika Vaccine  
<https://www.sciencenews.org/blog/science-ticker/week-zika-vaccine-progress-infection-insights?mode=topic&context=93&tgt=nr>



Names: \_\_\_\_\_

Topic: \_\_\_\_\_

**Pamphlet Grading Rubric**

Criteria	Inadequate (0-1 points)	Adequate (2-3points)	Superior Work (4 points)	Total
Topic relevance	Topic of interest in class	Current topic and relevant to most people	Important contemporary issue where education is essential	/4
Met with Instructor	No meeting	Met but did not incorporate feedback	Met with instructor and incorporated feedback	/4
Objectives or goals for education with pamphlet	The objectives of the pamphlet were unclear	There were pamphlet objectives	The pamphlet objectives were clear and fully addressed	/4
Addressing the audience	Unclear as to the target audience	Clearly addressed a specific audience	Clearly addressed a specific audience and	/4
Information sources	Information was primarily from text	Information included outside references	Information included excellent outside references	/4
Level of Information	Info was not selective to audience and topic	Info was relevant to audience and targeted appropriate level	Key info from broad & reliable references was stated in an understandable and relevant manner	/4
Layout and Grammar	Layout or grammar errors existed	Very minor layout or grammar errors existed	Layout was inviting and creative; no grammar errors	/4
Information Display	Visuals were not included	Relevant art, graphs or visual data were used	Relevant art and data visuals were integrated	/4
Content Quality	Content covered topic basics	Content covered important information about symptoms, treatment, and prevention	Content covered the most current information about cases, locations, symptoms, treatment, and prevention and cost	/4
Teamwork	Little apparent teamwork	Some apparent team cooperation	Close teamwork and full understanding by each individual	/4
References and citations	References and art were not fully cited	References and art were all correctly cited	References and art were from exceptional sources, correctly cited, and useable by lay people	/4
Oral Presentation	The material was explained to the class	The team presented the information in an interesting manner	The team had an outstanding presentation using clear voices, eye contact, and great references	/4
Answered class questions			No questions – 0 Partial answer or one person only – 1 Good answers - 2	/2
Total Possible 50 points			Score	
Comments:				