**Bacteria Report Proposal Due 4/8**

**In Reading Outline Section, one for EACH student**

**Outline:**

For your proposal create an outline that includes the following sections:

1. Question
   1. What you will be investigating?
2. Hypothesis (if, then, because format)
3. Rationale
   1. Reason(s) that the study is important
4. Materials (list)
5. Methods (procedure or steps to be taken during the experiment) (draw your three dishes here and what you will put on them )
6. Data to be collected (what will you be measuring? observing?....)

**Some helpful information for your planning:**

**Available Materials:**

Each Group Will Use:

Sterile Petri dish with Nutrient Agarose (contains Beef Extract, Digested Milk Protein)

E. coli (lab grade)

**Each Group Can Choose from:**

1. Antibiotic in solution (Ampicillin)
2. Bleach (1% solution; 5% solution; 10% solution)
3. Lemon juice
4. Antibacterial soap
5. Antibacterial hand sanitizer
6. Vinegar

**Helpful Hints**

1. You need to have replicates to compare data (you can divide your petri-dish)
2. You MUST have a control with replicates…that means at least two sections left untreated (put ecoli on, nothing else)
3. Only divide your dish in half, smaller than this and there can be overlap….
4. Use the same amount per treatment (I recommend 5 µl)

**Bacteria Report Proposal Due 4/8**

**In Reading Outline Section, one for EACH student**

**Outline:**

For your proposal create an outline that includes the following sections:

1. Question
   1. What you will be investigating?
2. Hypothesis (if, then, because format)
3. Rationale
   1. Reason(s) that the study is important
4. Materials (list)
5. Methods (procedure or steps to be taken during the experiment) (draw your three dishes here and what you will put on them )
6. Data to be collected (what will you be measuring? observing?....)

**Some helpful information for your planning:**

**Available Materials:**

Each Group Will Use:

Sterile Petri dish with Nutrient Agarose (contains Beef Extract, Digested Milk Protein)

E. coli (lab grade)

**Each Group Can Choose from:**

1. Antibiotic in solution (Ampicillin)
2. Bleach (1% solution; 5% solution; 10% solution)
3. Lemon juice
4. Antibacterial soap
5. Antibacterial hand sanitizer
6. Vinegar

**Helpful Hints**

1. You need to have replicates to compare data (you can divide your petri-dish)
2. You MUST have a control with replicates…that means at least two sections left untreated (put ecoli on, nothing else)
3. Only divide your dish in half, smaller than this and there can be overlap….
4. Use the same amount per treatment (I recommend 5 µl)