Recent Research Project

# Your task:

Review recent research in biotechnology. Pick one recent **experiment** to create a 5 minute presentation due the last day of exploratory.

# How you will complete it:

1. Check out the websites listed in the resource section. Find an article that reports on an experiment performed in biotechnology in the past 3 years that interests you. Send me an email with the link to the article and a brief summary of the article. This is due **before the start of class** on Day 2 of Exploratory.
2. Read through the article and begin gathering the following information:
   1. Key terms and concepts that you need to know to understand the experiment.
   2. The hypothesis the scientist(s) proposed (Remember to put it in an If…, then… format.)
   3. The procedure for the experiment.
   4. How was the experiment controlled?
   5. What conclusion did the researchers come to?
   6. What are the flaws in the experiment?
   7. How is this experiment helping to improve society?

The answers to these questions are due **before the start of class** on Day 3 of Exploratory.

1. Take the list of key terms and concepts you need to know to understand the experiment. Find at least 3 sources to help you define those key terms and explain all of the background information to the experiment. Using bibme.org, format those sources in APA style and submit **before the start of class** on Day 4 of Exploratory.
2. Put together a presentation using Power Point, Prezi, or some other format. Put the information in the following order:
   1. Title
   2. Discovery
      1. Briefly summarize the discovery.
   3. Background Information
      1. Explain the key terms
      2. Discuss any concepts presented in the experiment
   4. Hypothesis
   5. Procedure
   6. Controls
   7. Conclusion
   8. Criticism
   9. Importance
   10. Sources
3. On Friday, give a less than 5 minute presentation on your chosen experiment to the class. Review the rubric attached and give yourself a grade. Submit a completed rubric right before you give your presentation.

# Websites

The following list of websites will help you find an article about an **experiment**:

# Resources:

Besides the textbooks and magazines in class, there are some websites that can help you find some interesting topics and background information. This is by no means an exhaustive list, however be skeptical when it comes to websites. Not all information on the internet is good information. Run a website by me if it is not on this list.

[www.scientificamerican.com](http://www.scientificamerican.com)

<http://www.npr.org/sections/science/>

<http://www.sciencedaily.com/>

<http://www.nytimes.com/pages/science/index.html>

<http://www.sciencenews.org/>

<http://news.sciencemag.org/>

<http://www.popsci.com/>

<http://www.huffingtonpost.com/science/>

<http://www.reuters.com/news/science>

<http://www.nature.com/news/>

<http://www.usnews.com/science>