

# Biology I

## Second Nine-week Project

This nine weeks you will be assigned a disease or disorder. You will research the disease or disorder and create a power point presentation about the disease. These projects will be in teams of two, and Mrs. Gensburg will assign the teams.

Students will be assigned one of the following diseases:

*Down's Syndrome*

*Tay-Sachs*

*Huntington's Disease*

*PKU (Phenylketonuria)*

*Cystic Fibrosis*

*Klinefelter's Syndrome*

*Sickle-Cell Anemia*

*Hemophilia*

*Turner's Syndrome*

**These projects will be worked on the computer lab January 7<sup>th</sup>, 9<sup>th</sup>, 12<sup>th</sup>, and 13<sup>th</sup>. They will be presented in class the 14<sup>th</sup>.** The projects will be graded with the project rubric (on back).

**Requirements: The following things must be covered in the power point and presentation.**

1. Describe the disease.
2. What are the Symptoms?
3. What is the genetic background/basis behind this disease? ( is it a chromosome abnormality, recessive, dominant trait?)
4. When/How is a person "diagnosed?"
5. Who is affected? (Ie. Is one group affected more than another is? Does it affect males or females more? Etc)
6. What age is a person affected? What is the life expectancy?
7. What treatment/ medication / management are there for this disease?
8. Make sure to properly document sites.

**Sources:** Sources for all information and pictures must be documented as following:

*Name of Website, web site address, date accessed*

Note: The website address should not include the search information.

Make sure you use legitimate and acceptable websites. An example would be the National institutes of Health and an Association related to the disease you were assigned.

**Absences:** If you are absent the day, you are supposed to teach, and it is an UNEXCUSED absence you will receive a zero for the project. (Just like a test grade.) If you absent the day, you are to teach and have an excuse Mrs. Gensburg reserves you the right to **assign** you a new day to teach.