**Genetics Project Information**

**Genetic Disorders Project**

This project is due at the beginning of class on **Thursday, March 16, 2015**.  **No late projects will be accepted!!!!! You will be presenting your projects on the due date.**

You will be allowed to work on your project on Tuesday, April 14, in the library.  At that time you should make a decision on the **print source** you will use and create the bibliography of the sources you have chosen. You will then have ½ of the class period on W, Apr 15, to work in the room on your project.  Work quickly, quietly and efficiently. All projects will be presented on Thursday.

You are to select an option and then pick up a rubric from your teacher. Select the option that works best for you.  If you do not have computer access at home, do not choose the Prezi or Powerpoint format.  You will have limited class time to complete the project, so use your time wisely. If your project is handwritten it should be NEAT and written in blue or black ink. Quality work is expected. You may want to bring a thumb drive to save your data to if you are completing the assignment at home. Other ideas? See Me. [You may work in groups with permission.]

**Option 1         Powerpoint Presentation**

**Option 2         *Prezi***

**Option 2         Pamphlet**

**Option 3         Poster**

*Turn in your project as soon as you complete it because late projects will not be accepted.*

Genetics Disorder List

1- Achondroplasia                                  \*16-Huntingtons Syndrome

2- Alkaptonuria                                                \*17-Klinefelter Syndrome

\*3- Albinism                                                             18-Marfan Syndrome

4- Angelmann Disease                                         19-Maple Syrup Urine Disorder

5- Brachydactylia                                                  \*20-Phenylketonuria

6- Cri du Chat                                                       21-Praeder-Willi Syndrome

\*7- Color Blindness                                                  \*22-Sickle Cell Anemia

\*8- Cystic Fibrosis                                                   23-Spinal Muscular Atrophy

9- Down Syndrome                                                 24-Wilson’s Disease

10- Duchenne Muscular Dystrophy                            25-Wolf-Hirschhorn Syndrome

11- Edward’sSyndrome                                            26-Xeroderma Pigmentosa

12- Fabry Sndrome                                                \*27-Turner Syndrome

13- Fragile XSyndrome                                          28-Tay-Sachs Syndrome

14- Galactosemia                                                     29-Type 1 OR 2 Diabetes

\*15- Hemophilia 30- Proteus syndrome [Elephant Man]

***Regular classes must choose disorders with asterisks (\*).***

**Points to be addressed in Your Genetics Project:**

**Power Point**

Slide 1              Name of Disorder, your name and class

Slide 2              Define the disorder.  [Define using scientific terminology and explain the

                           Scientific terms.]  Give credit to the scientist who first identified the disorder.

Slide 3              Identify the symptoms of the disease.  Include the age of diagnosis, any particular

age group, ethnic or racial group or sex that is affected.

Slide 4              Explain how the trait is inherited and how having the disorder affects a person’s

life.  Include the web addresses of two support groups a person could visit to find help.

Slide 5 & 6      You may use one or both these slide for pictures.  Some suggestions are:

-affected persons

-pedigrees showing the inheritance of the trait

-Punnett Squares

-the chromosome on which the allele is located

Slide 6 or 7        This slide is for your bibliography.  You must have 2 web sources and 1 Print

source.  Remember to use *Noodle Tools Express*to create your bibliography.

**Poster**

Divide your poster paper into six sections.  USE A RULER to do this neatly.  Follow the instructions above. If you have a creatively different idea, see me!

**Prezi**

Same or similar sections to the Power Point!

**Pamphlet**

Same as power point for trifold style pamphlet. For half fold, place bibliography on the back, picture(s) on cover and throughout. Adjust other info so that all looks appealing on the inside pages.