

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## **Genetic Disorder Project**

★ We have learned how traits can be passed onto offspring and we have learned how genetic diseases are traced through families. You will now have a chance to study one particular genetic disorder/condition in more detail and create a slideshow which you will be presenting to our class. You will be using Google slides to create your slideshow.

### **Project requirements:**

1. What is it?

This should be a detailed, but brief explanation of your disease. What happens to the body; what part of the body is generally affected?

2. How is it inherited?

This should explain how the disease is passed on from generation to generation. Use as much of your knowledge from class as possible. Is it sex-linked, particular chromosome, dominant, recessive, etc?

3. How is it diagnosed?

This should explain how an individual determines if they have the disorder.

4. How is it treated?

Once a person knows they have the disorder, how do they deal with it? Medications, gene therapy, etc?

5. Prognosis of individual with disorder

What is the life expectancy of a person with the disorder, limitations they may face, etc. How does this disorder impact the person who has it? How might this disorder impact family members?

6. Additional interesting information

What else is interesting/shocking/important about your disorder?

7. Graphics that help explain the disorder and its inheritance

Visuals, Punnett squares, pedigree chart, karyotype, etc.

8. Citations of your research sources in proper MLA format

★ You will need to conduct your research by answering the questions above on a separate sheet of paper. These notes will be used to outline your slideshow and **MUST be turned in** after you have completed your presentation as proof of your research. You **MUST** cite the sources you used to collect this information.

★ You will have 4 class periods to access the internet to research your information as well as complete your presentation. You will be taught the basics of how to use the Google slides program and are expected to incorporate images as well as animations into your presentation.

★ You should have a minimum of 3 sources for this project. Sources need to be included on a slide at the end in proper MLA format. Be sure to put information into your own words. If you do not understand the information, ask me to help you decipher what is being said. **Absolutely no copy and pasting.**

★ You will be presenting your information to the class. Your presentation should showcase your expertise on the topic. You should be familiar with your slide format, order, and information. I expect that you will talk to the class while presenting, and you will not be reading from your slides the entire time. You may use cue cards to help you.

★ Your topic: \_\_\_\_\_

★ Project will be shared with me [bbrawley@srcs.k12.ca.us](mailto:bbrawley@srcs.k12.ca.us) by 8am on \_\_\_\_\_