**Genetic Disorder Research Project**

# Introduction

You will create an informational PowerPoint (or media presentation) to/for your classmates explaining a genetic disorder. Although you will have two days (at least) of computer time, you will need to work on your own-*outside of normal school time to complete this project*. Use the NIH website from the trailblazer page to find a disorder.

# Assignment Guidelines

You must answer the following 7 questions before you can begin creating your PowerPoint. .

When you have researched your disorder type, you will produce a Powerpoint presentation with the information you have collected. The Powerpoint presentation must include 11 slides:

* **1 Title Slide**
	+ **Name of the genetic disorder**
	+ **Your name and class**
	+ **Picture**
* **9 Information Slides**
	+ **Title: 1 of the 9 questions to answer (see other side of this sheet)**
	+ **Answer: answer to the question (bullet points, not sentences)**
	+ **Picture / Graphic**
		- **Reference Slide: all website addresses you used, cited correctly.**

You will work alone to complete this assignment. Research and work on Powerpoint will take place for two days in the computer lab. You will then present your Powerpoint before the class. You must also provide a printed copy of your powerpoint slides to Mrs. Sanford at the time of presentation ***you must print 6 slides per page ( I can help if needed).***

Presentations will take place in random order.

 **\*\*Do Not cut/paste the text from a website. That is plagiarism or STEALING! Use your own words to convey the information.\*\***

See the NIH website or choose from the following genetic disorders

Cystic Fibrosis

Down Syndrome

Sickle Cell Anemia

Hemophilia

Prior teacher approval for other disorders

***My Topic:*** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Questions to be Answered by Presentation**

**These questions are to be researched for your genetic disorder. Each question should be thoroughly answered in the presentation.**

**Title Slide 1. What is the name of your genetic disorder?**

**Slide 2. What are the specific symptoms of this genetic disorder? Include all the major symptoms.**

**Slide 3. What are the causes of the disease or disorder? How is it detected or diagnosed?**

**Slide 4 What is the treatment for this disorder? If no treatment is available, what can be done for a person with this disorder?**

**Slide 5. How is the disorder inherited? Is it a dominant trait, a recessive trait, a problem with the number of chromosomes, or something else? Explain fully.**

**Slide 6. How common is the disorder? How many people have it? How many get it each year?**

**Slide 7. Is there a certain race it is most common in? Is it more common in men or women?**

**Slide 8. How long is the average life span of a person with this disorder?**

**Slide 9. How is it passed from one person or generation to another?**

**Slide 10. What have you learned personally from researching this disorder?**

**Slide 11. List all references that you used.**

# Rubric

## Time in lab/on computer well spent 2 4 6 8 10

Copy of Powerpoint slides provided 0 10

## Effectively organized 2 4 6 8 10

Information is complete 2 4 6 8 10

Shows understanding of knowledge 2 4 6 8 10

Graphics are included 2 4 6 8 10

Visual/Neatness/Spelling/Grammar 2 4 6 8 10

References included 0 10

Presentation (eye contact, volume, participation, 4 8 12 16 20

 questions answered)

**Total out of 100 points = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**