**BIOLOGY 40S - Genetic Disorders Research Project**

**Purpose:** To gain a better understanding of a specific genetic disorder

**Format:** You are to make either a pamphlet or small information booklet. This can be done by hand or on the computer. Or a mix of both!

**Timeframe:** You will be given three classes to work on the project. It is **due Thursday, April 19**

**Requirements:** Your project must include information from the following categories

* Name the disorder and give a brief description. Include likelihood of the disorder.
* How is the disorder diagnosed? How does a person get the disorder? Inheritance pattern? Explain what type of mutation.
* Find out all of the main signs and symptoms of the disorder. What is it like to have this disorder?
* Include related pictures to help explain.
* What types of treatment (if any) are available for the disorder?
* Plus any other information that you feel is important/interesting for others to know about the genetic disorder.
* You must include diagrams/images that help to aid in the understanding of your topic

**Sources:** You must include a list of references (both the website name and URL). Make sure your sources are credible. And please, for the love of science, DO NOT USE WIKIPEDIA!

**Possible Topics:** Below is a list of genetic disorders that you can choose from. If you find a different disorder that interests you, come see me.

* cystic fibrosis
* sickle cell anemia
* Marfan syndrome
* Huntington's disease
* Progeria
* Lou Gehrig’s Disease (ALS)
* Hemochromatosis
* [Turner syndrome](http://www.medicinenet.com/turner_syndrome/article.htm)
* [Klinefelter syndrome](http://www.medicinenet.com/klinefelter_syndrome/article.htm)
* Cri du [chat](http://www.medicinenet.com/khat/article.htm) syndrome

**Marking:** This project is worth 50 marks. Please use the attached rubric to ensure that you are meeting expectations.

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| **Category** | **Points** |
| Criteria met – all requirements for information have been met | 1 2 3 4 5 6 7 8 9 10 |
| Referencing – referencing within the writing is done properly and a reference page is included. | 1 2 3 4 5 |
| Diagrams/Images – images are relevant to the topic and they serve a purpose as they aid in overall understanding | 1 2 3 4 5 6 7 8 9 10 |
| Neatness and Originality | 1 2 3 4 5 6 7 8 9 10 |
| Quality of information – information is accurate and highlights the most important points in each topic | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 |
| Total /50 | |