**GENETIC DISORDER PROJECT**

**DISORDERS:**

Achondroplasia (dwarfism)

Albinism

Cri du Chat

Cystic fibrosis

Duchenne’s Muscular Dystrophy

Down Syndrome (Trisomy 21)

Hemophilia

Huntington’s Disease

Klinefelter Syndrome

Lou Gehrig’s Disease (ALS)

Marfan Syndrome

Prader-Willi Syndrome

Sickle cell anemia

Tay-Sachs Disease

Turner Syndrome

GENETIC DISORDER PROJECT: Create a presentation (powerpoint, children’s book, puppet show, movie, essay, etc.) that teaches about a genetic disorder.

Requirements:

|  |  |
| --- | --- |
| Introduction | * When was it discovered?
* Does it affect one population more than another? (ethnic groups, gender)
* How many cases of this disease arise each year?
 |
| Description | * What are the symptoms? (At least three)
* What are the signs someone has this disorder?
* What is the prognosis?
 |
| Inheritance | * What kind of mutation results in the disorder?
* What is the mode of inheritance? (Dominant or recessive, autosomal or sex-linked)
 |
| Treatment | * How is this disorder treated? (At least two methods)
* Is there a cure?
 |
| Prevention | * How can you prevent this disorder?
* What are the latest screening tests? (At least one)
 |
| Works Cited | * At least **three** reliable sources.
* Properly cited using APA format (citation generators are helpful here!)
 |
| Effort | * Presentation is creative.
* Presentation includes at least FIVE **meaningful** graphics.
* Presentation is well rehearsed and easy to follow.
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Rubric:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CRITERIA** | **3** | **2** | **1** | **0** |
| Introduction | All 3 requirements met. | 2 of the 3 requirements met. | 1 of the 3 requirements met. | Not attempted. |
| Description | All 3 requirements met. | 2 of the 3 requirements met. | 1 of the 3 requirements met. | Not attempted. |
| Inheritance | All 2 requirements met. | 1 of the 2 requirements met. |  | Not attempted. |
| Treatment | All 2 requirements met. | 1 of the 2 requirements met. |  | Not attempted. |
| Prevention | All 2 requirements met. | 1 of the 2 requirements met. |  | Not attempted. |
| Works Cited | All 2 requirements met. | 1 of the 2 requirements met. |  | Not attempted. |
| Effort | All 3 requirements met. | 2 of the 3 requirements met. | 1 of the 3 requirements met. | Not attempted. |

TOTAL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ / 21 pts \_\_\_\_\_\_\_\_\_ %