**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. |

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 \_\_\_\_\_\_\_\_\_ %