**Chromosomal /Genetic Disorder Project**

Create a presentation on one of the following chromosomal disorders.  The requirements for your presentation are listed below.

Name of Group: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

  Group members: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**List of Requirements:**

1. Define the follow words: (4 points)

|  |  |
| --- | --- |
| a. Chromosomal Disorder | b. Mutation |
| c. Polyploidy | d. Aneuploidy |
| e. Trisomy | f. Monosomy |
| g. Euploid | h. Uniparental Disomy |

1. Name of disorder you chose (largely displayed) . (2pts)
2. Why the disorder is named this? (2pts)
3. **Genotype-** How does a person have this disorder? (How are the chromosomes different?) (4pts) ( make sure you explain)
4. **Phenotype**- (6pts)
   1. Severity of mental disability if any. How would the disorder affect their lives?
   2. IQ range
   3. **Other Symptoms** **(physical or mental you think is important)**
5. Is it detectable prior to birth?  If so, how and when?  If not, when? (3pts)
6. Occurrence in humans (How often is a person born with this disorder?) (2pts)
7. How long can a person with this disorder live? (2pts)
8. Are they susceptible to diseases or things that a person with a euploid set of chromosomes is not? (2pts)
9. Include a picture of a person with the disorder. (3pts)
10. Can this disorder be passed to further generations? (2pts)
11. **Use of class time (3 pts)**
12. You will also be graded on ***presenting and creativity*** (10pts) Include pictures or videos that relate to the project only

**Total- 45 points**

**Due Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**