

Genetic Disorder Project Instructions

The Deal:

- Each student can choose a *genetic disorder* from the list provided below on a first come first serve basis
- The student will then research their genetic disorder of interest and **answer the nine questions** provided
- Research must **be done on your own**, computers will be available for use after school to help type your answers.
- The presentations will be **due Thursday April 6th and end on Friday April 7th**. If not turned in by Friday, projects will be deducted 10pts every school day.
- The presentations styles can/will vary based upon creativity levels.
- **All material should be typed**
- **All sources INCLUDING any pictures used in MLA format**
- Students will be given opportunity to **present their presentation for extra credit** at the first 10 minutes of class and after school. Oral presentations should be between 2-3 minutes in length.

Visual representation suggestions:

You will be given an outline sheet for your research and your project must include ALL of the information from it! You need to find a way to convey that information to your classmates without BORING them! You could do any or all of the following:

- movie or presentation using the iPads or laptops
- decorate the table like a doctor's office and have a "fake" patient with the disorder
- short story about the disorder
- pamphlet
- an artistic representation of the characteristics of the disease
- a photo album

***The sky is the limit on creativity. The more creative the more your classmates will remember!**

Common Genetic Disorders: Feel free to research your own as well!!!

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| 1. Cystic Fibrosis (CF) | 11. Down Syndrome |
| 2. Severe Combined Immunodeficiency Disorder (SCID) | 12. Hemophilia |
| 3. Tay-Sachs | 13. Klinefelter |
| 4. Jackson-Weiss Syndrome | 14. Color blindness |
| 5. Fragile X-syndrome | 15. Albinism |
| 6. Ectrodactyly | 16. Achondroplasia |
| 7. Huntington's disease | 17. Hypochondroplasia |
| 8. Neurofibromatosis | 18. Duchenne muscular dystrophy |
| 9. Sickle Cell Disease | 19. Usher syndrome |
| 10. Thalassemias | 20. Turner syndrome |