Genetic Disorder Project

Points Available: 150

Due Date: a Monday in January 2017- TBD

Research Paper- 50 points

Brochure- 50 points

Power point with 2 minute presentation- 50 points

This way, you do the research once, but cover three different projects/assignments.

Disorders

1. Achondroplasia (dwarfism) 21. Leukodystrophy (myelin degeneration)
2. Albinism (no melanin) 22. Lou Gehrg’s disease (ALS)
3. Angelman syndrome (neurogenetic) 23. Marfan syndrome (heart/vessel development)
4. Autism (nervous system) 24. Moebius syndrome (facial/eye movement)
5. Canavan disease (neurological) 25. Noonan (congenital heart disorder)
6. Cerebral palsy (brain development) 26. Parkinsons (tremors)
7. Coffin-Lowry (abnormal growth) 27. Patau (trisomy 13)
8. Cri du chat (cat’s cry) 28. Phenylketonuria (can’t digest amino acid)
9. Cystic fibrosis (mucous) 29. Prader- Willi (intellectual disability)
10. Down syndrome (trisomy 21) 30. Progeria (age rapidly)
11. Duchenne (muscular dystrophy) 31. Proteus (overgrowth of bones)
12. Edward syndrome (trisomy 18) 32. Retinoblastoma (eye cancer)
13. Gardner syndrome (GI and skin tumors) 33. Sickle cell anemia (red blood cell shape)
14. Gaucher’s disease (metabolism/ fragile bones) 34. Spina bifida (spinal cord development)
15. Hemophilia (blood not clotting) 35. Tay Sachs (destroys nerve cells)
16. Huntington’s disease (nerve degeneration) 36. Thalassemia (oxygen carrying protein)
17. Hyperthyroidism (metabolism) 37. Tourette syndrome (nervous system of repetition)
18. Jackson-Weiss (premature bone fusion) 38. Turner’s syndrome (only one X female)
19. Jacobsen syndrome (development) 39. Von Willebrand (clotting issue)
20. Klippel-Feil syndrome (bone disorder) 40. Xeroderma pigmentosum (sun sensitivity)