

Genetic Disorder Research Project (20 points)

Introduction

Some disorders come from the environment. For example, diseases like the flu or AIDS are caused by viruses that a person may become infected with.

Other disorders are due to mistakes in the genes. A person is born with such disorders. Such disorders are usually inherited from the parents.

Assignment Guidelines

For this project you will research a genetic disorder from the list of possible topics below. There are many genetic disorders to choose from and you will only need to research one type. If you would like to choose a genetic disorder not found in the list, be sure to ask your teacher before you begin your research.

When you have researched your disorder type, you will produce a Powerpoint presentation with the information you have collected. You must also provide a copy of your powerpoint slides to your teacher.

You may do this assignment alone or in a group of two students.

Possible Topics

Albinism	Brachyactyly	Cat Cry Syndrome	Amytrophic Lateral Sclerosis
Cystic Fibrosis	Down Syndrome	Edward's Syndrome	Duchenne Muscular Dystrophy
Hemophilia	Fragile X Syndrome	Ichthyosis	Ehler Danlos Syndrome
Marfan Syndrome	Klinefelter Syndrome	Multiple Sclerosis	Huntington's Chorea (Disease)
Patau Syndrome	Phenylketonuria	Tsy Sachs Disease	Lesch Nyhan Syndrome
Polydactyly	Turner Syndrome	Prader Willi Syndrome	

Questions to be Answered by Presentation

These questions are to be researched for your genetic disorder. Each question should be thoroughly displayed on the slides. **If you absolutely cannot find answers to these questions, ask your teacher for substitute questions.**

1. What is the name of your genetic disorder?
2. What are the specific symptoms of our genetic disorder? Include all the major symptoms.
3. What is the treatment for this disorder? Can this disorder be cured?
4. If no treatment is available, what can be done for a person with this disorder?
5. How is the disorder inherited? Is it a dominant trait, a recessive trait, a problem with the number of chromosomes or something else? Explain fully.
6. How common is the disorder? How many people have it? How many get it each year?
7. Is there a certain race it is most common in? Is it more common in men or women?
8. How long is the average life span of a person with this disorder?
9. How is the family of a person with this disorder affected?
10. What have you learned personally from researching this disorder?

