Genetic Disease Pamphlet

**Brief summary:** Students will design a pamphlet to inform and educate people about an inherited disease or disorder

**Description of activity:** Students will research and construct a pamphlet that includes:

1. symptoms of disease
2. genetic cause of disease
3. genetic testing
4. population/risk
5. possible treatment
6. genetic screening techniques
7. social and ethical implications
8. cost and percentage of disease in ethnic groups
9. How I is related to HGP (human genome project)
10. Integrate, tie it all together, show graphs, and data

**Remember to include:**

**Mode of inheritance**: how is it inherited, is it autosomal dominant, recessive, x-linked, multifactorial, chromosomal error ect…

**Clinical description of disorder**: what are the features of the disorder? How does it affect the victim? What is it like to have the disorder? Is it life threatening? How does it affect the quality of life

**Treatment**: can anything be done for this disorder? Can symptoms be treated? Is there a cure?

**Detection** :can the disorder be detected before symptoms appear? If so, how? Can it be detected prenatally? If so how? Can a carrier be detected? If so, how?

Grading is based on Accuracy of pamphlet. Did you give any misinformation? Where all topics listed above covered. Did you appear to know the information. Did the pamphlet use charts, graphs. Overall appearance and completion of the pamphlet.