

Human Genome Project Chromosome

[Your Name]

CHROMOSOME INFORMATION

How many base pairs are in your chromosome?

What percentage of the genome is your chromosome?

How many genes are on your chromosome?

What are a few interesting facts about your chromosome?

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GENETIC DISORDERS FOUND ON YOUR CHROMOSOME

List a minimum of 3 common disorders found on your chromosome.

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(CHOOSE 1 OF THE COMMON DISORDERS TO RESEARCH)

1. Definition of your genetic disorder
2. Name and explanation of your disorder
3. How prevalent is your disease (what are the chances of having this genetic disorder)
4. What countries is this rare disease/disorder found in?
5. How does this disease/disorder affect everyday life? (A day in the life of...)

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6. What is the social and economic impact on the family
- Does the disorder require expensive medication
 - Hospitalizations or surgeries?
 - Require constant supervision (does someone have to stay home with them)

7. Once you have gathered your research, you will create a video blog/diary entry.

- Choose the part you want to play (the person with the disorder, the parent of someone with the disorder, a sibling, friend, etc...)
- The blog/diary entry has to capture what it's like for someone to live daily with this disorder, WHILE including the research you did (explanation of disorder, medical costs, limitations, challenges, prevalence, etc...).
- The blog/diary post must be respectful and in good tastes (this is not a place to mimic/make fun of, joke about a disorder). For example, if someone with this disorder has a physical deformity or altered speech, it is NOT necessary to attempt to mimic this).
- You may record one entry or multiple (pretending you have logged more than one day). Use your creativity!
- ALL FINAL BLOG/DIARY ENTRIES ARE DUE BY MONDAY, MAY 16 BY 4:00PM. REMEMBER...DUE TO THE SIZE OF SOME VIDEO FILES, THEY CANNOT BE EMAILED. YOU HAVE THE OPTION OF BRINGING IN A USB AND/OR YOUR RECORDING DEVICE TO UPLOAD TO MY COMPUTER. ANY PROJECT RECEIVED AFTER 4:00PM ON MONDAY, MAY 16, WILL BE CONSIDERED LATE.**

SOURCES – MUST INCLUDE A WORKED SITED PAGE

Chromosome Information:

<http://tinyurl.com/chromosomeproject>

When doing your search on your genetic disorder use the following search engine: (DO NOT USE ask.com or answers.com as they are NOT a reliable resource)

www.safesearchkids.com

VIDEO BLOG/DIARY RUBRIC

Criteria	Points
<p>Chromosome Information</p> <ul style="list-style-type: none"> • Accurate/informative • How many base pairs are in your chromosome? • What percentage of the genome is the chromosome • How many genes are on chromosome • What are some (minimum of 3) interesting facts about chromosome 	/10
<p>Genetic Disorder/Disease</p> <ul style="list-style-type: none"> • Well defined explanation understandable to audience (including symptoms, effects of disease, how transmitted, etc...) • How prevalent is your disease/disorder? • What countries is this disease/disorder mainly found in (is there specific areas?) • How does this disease/disorder affect everyday life for the affected individual? • What is the social/economic impact on the individual/family (expensive medications, surgeries, therapy, hospital visits, constant supervision/care)? 	/50
<p>Video Blog/Diary</p> <ul style="list-style-type: none"> • “part played” (parent, sibling, friend, person w/ disorder) obvious to audience • “part played” convincing to audience • entry captures what it’s like for someone to live daily with this disorder, WHILE including the research • entry respectful and in good tastes • evident “part played” and approach to diary entry well thought out, time taken to produce superior final product • easy to hear/understand video entry • entry has a logical flow (information/thoughts not jumbled/disconnected) 	/40
<p>Extra Credit:</p> <p><input type="checkbox"/> Yes, share my video diary entry with the class</p> <p><input type="checkbox"/> No, I do not want to share my video diary entry with the class</p>	/10
<p>Teacher comments:</p>	/100

