Name	e:	Date:	Period:
	Genetics Project		
	We have spent a great deal of time learning about DNA and how you learned how traits can be passed on to offspring and we have learnes. You will now have a chance to study one particular genetic disor	med how genetic dis	seases are traced through
Projec	t requirements:		
3. 4. 5. 6. 7. 8.	part of the body is generally affected? What causes it? — What happens in the body to cause the disease? chromosomal change, etc? How is it inherited? — This should explain how the disease is passe much of your knowledge from class as possible. Is it sex-linked, paetc? How is it diagnosed? — This should explain how an individual deter How is it treated? — Once a person knows they have the disorder, he therapy, etc? Prognosis of individual with disorder — What is the life expectancy may face, etc. How does this disorder impact the person who has i members? Any More information — What else is interesting/shocking/importar Graphics that help explain the disorder and its inheritance — Punnet Once you have all the information you need to complete this project.	Is it a mutation, ged on from generation articular chromosom mines if they have to sow to they deal with of a person with the tr? How might this deat about your disordent squares, pedigree et, you will create a	netic tendency, n to generation. Use as ne, dominant, recessive, the disorder. th it? Medications, gene the disorder, limitations they disorder impact family ther? chart, karyotype, etc. PowerPoint to present the
alterna	nation. (if you have experience with, and easy access to another type ative if you clear it with me – ex: Google Slides, Keynote, Prezi, etc. ital and involve no paper other than rough draft notes.	of presentation tool	, you may use that as an
see yo	You will have 3 class periods to access the internet to research you tation. I would like all the work done in class (the exception is runn ur progress and check your information as you go. For this reason, I sing your digital presentation. You will be expected to turn in your ro	ing out of time towa would like you to ta	rds the end) so that I can ke written notes prior to
inform	Your grade will be based on the information provided for the above spect in as much detail as possible. I would expect 1 slide per topic ation. Keep in mind the design and layout of your presentation. Too dience.	is enough to adequa	itely cover the
	Be sure to cite your sources as well. You should have a minimum of ed on a slide at the end in proper MLA format. Be sure to put inform tand the information, ask me to help you decipher what is being said	ation into your own	words. If you do not
	You will be presenting you information to the class. Your presenta You should be familiar with your slide format, order and information ting, and you will not be reading from your slides the entire time. You	. I expect that you	will talk to the class while
*	Your topic:		
*	Project will be emailed to me at bbrawley@srcs.k12.ca.us by 8am		

Possible topics and useful websites

Huntington's Disease

Cystic Firbrosis

Hemophilia

Duchene Muscular Dystrophy

Phenylketonuria

Albinism

Down Syndrome

Turners Syndrome

Klinefeter's syndrome

Progeria

Adrenoleukodystrophy,

Alzheimer Disease, familial,

Angleman Syndrome

Burkitt's Lymphoma

Cat Eye Syndrome

Cri-du-chat (Cat's Cry

Syndrome)

Cystic Fibrosis

DiGeorge Syndrome

Down Syndrome (Trisomy 21)

Duchenne Muscular Dystrophy

Edwards Syndrome

Fabry Disease

Jacobson Syndrome Marfan Syndrome

Monsomy 9p or Alfi's Syndrome

Hemochromatosis

Polycystic kidney disease

Xeroderma Pigmentosum

Mytonic Dystrophy (Steinert

Disease)

Neurofibromatosis

Patau Syndrome or Trisomy 13

PKU

Prader-Willi Syndrome

Rentinitis pigementosa

Rett Syndrome

Sickle Cell Anemia

Smith-Magenis Syndrome

Von Hippel-Lindau Syndrome

Wolrf Hirschhorn Syndrome

Tay-Sachs disease

Achondroplasia

Osteogenisis imperfecta

Fragile X syndrome

*****Remember that this is just the beginning. If you don't find a disorder you are curious about on this list, keep looking. If you don't find the information for your particular disorder on the websites below, keep looking. The below websites will be more helpful for general information and the most common genetic diseases.*****

http://learn.genetics.utah.edu/content/disorders/

https://www.nlm.nih.gov/medlineplus/geneticdisorders.html

http://www.geneticdiseasefoundation.org/genetic-diseases/

http://www.kumc.edu/AMA-MSS/Study/table_of_genetic_disorders.htm

http://www.yourgenesyourhealth.org/

http://www.mayoclinic.org/tests-procedures/genetic-testing/multimedia/genetic-disorders/sls-20076216

http://www.jewishgeneticdiseases.org/jewish-genetic-diseases/

http://www.childrenshospital.org/conditions-and-treatments/conditions/genetic-disorders