

DIGITAL POSTER AND SPEECH PREPARATION

Digital Poster:

Open PowerPoint and begin creating your slideshow. Each section of research needs another slide. The slideshow will enhance your speech about your genetic disorder. *When you are done ask Ms. Hunt how to save for class presentations.*

1. **Title/Introduction Slide** – Include your name and the disorder you researched. Include any other common names that are used for your disorder. ONLY the names here.
2. **Mode of Inheritance** – What genes or chromosomes are involved? Explain if dominant, recessive, or a mutation. *INCLUDE A GRAPHIC ON THIS SLIDE...* show the gene IF gene disorder; include a karyotype IF chromosomal. Be sure to include the source for this graphic in your bibliography citation of your notes page.
3. **Clinical Description and Symptoms** of the disorder. List common symptoms the individual may exhibit. Include effects on the patient's body, life style, expectations for the future, life expectancy, etc. You may choose to use a few slides for this section. *Graphics MAY be included on these slides.*
4. **Treatment** – List any treatments or management issues. Include side effects and success rate with treatment. List any support groups available (name of support group and the URL for the web site).
5. **Conclusion** – This slide is a back drop for when you summarize what you learned about the disorder you researched. The speech should also include personal thoughts. The conclusion slide will have an additional graphic which shows an affected individual, another gene or chromosome picture, or some other graphic which is related to the topic. We do not want to read a paragraph on the slide but overall create a "scene" that will be the backdrop as you wrap up your presentation.

Speech:

Use the following guide to write an extended CEAL paragraph for your speech. The **evidence** should be included in the digital poster slides. The **analysis** is what you add to the speech as you share with the class.

CLAIM (the topic sentence) Name your genetic disorder and preview the rest of the paragraph.

EVIDENCE and ANALYSIS: Respond to all of the following in sentences as evidence and analysis of your information.

1. **Evidence:** Explain mode of inheritance: what genes or chromosomes are involved? Is it recessive or dominant?
Analysis: Why is the mode of inheritance important? Why is it important to know if recessive, dominant, etc.? IF a gene disorder, explain what protein the gene SHOULD make and how it is affected now.
2. **Evidence:** Provide clinical description and/or symptoms of the disorder.
Analysis: Discuss effect on the patient's body, life style, and expectations for the future, life expectancy, etc. Expand on the discussion from the bulleted slideshow.
3. **Evidence:** Explain treatments and the management of the disorder.
Analysis: Discuss side effects and success rate of treatment. Include any support groups for the disorder. Many disorders can't be eliminated so what might a person's life be like with this disorder?

LEAVING THOUGHT (conclusion) Closing statement, summarizing what you have learned about the genetic disorder.