

Topics in Genetics

Potential Topics

Genetic Disorders	Biotechnology
Presentation Dates 2/7 & 2/8	3/13 & 3/14
Sickle Cell Anemia Huntingtons Colorblindness Trisomy 21 Klinefelters PKU Breast Cancer Fruit Fly Genetics Type 1 Diabetes Dark Fur Color in animals in the summer Lac+ Bacterial culture	electrophoresis plasmid based transformation restriction enzymes PCR Genetically Modified Foods Transgenic animals pesticide resistance mutations cloning stem cells SRY gene p53 gene C elegans

Paper Requirements:

Research Paper Due 2/8/13

Per Group

The research paper should have one paragraph about the pattern of inheritance, symptoms, treatment and the rest of the paper should focus on current research on this disorder (use the ncbi site for access to current papers that have been written.). If you have selected biotechnology topic, then your first paragraph should focus on how the technology works, and the rest of the paper should focus on how the technology is used today and could be used in the future. The conclusion should pose a question that could be researched.

Format: Two Pages, double spaced Times.

At least 3 Resources cited with MLA format on a separate page

Presentation Requirements:

6 slides

1 slide about the pattern of inheritance, the rest should cover current research and technology associated with the research (Be creative)

Good Resources:

www.omim.org (Online Mendelian Inheritance in Man)

ncbi