

Genetic Engineering Project

Purpose

1. To research how humans influence the inheritance of desired traits in organisms
2. To explain the benefits and drawbacks of human influence on the desired traits in an organism
3. To gather relevant, credible and accurate information from multiple sources
4. To cite specific text evidence to support your analysis of genetic engineering

Directions: Choose a real world example of genetic engineering to research and create a “product” about. Possible products include: video, presentation, slideshow, poster, PSA, brochure, paper and almost anything else you can think of. Check with me if you have questions about what to do! Your product should include the following:

1. Summarize your chosen example of genetic engineering
 - How have humans influenced the genetics in your example?
 - Why are humans influencing the genetics in this way? What is the purpose?
2. What are the benefits of this type of genetic engineering?
 - What is good about this type of genetic engineering?
 - How does this type of genetic engineering help the planet and/or humanity?
3. What are the drawbacks of this type of genetic engineering?
 - What is bad about this type of genetic engineering?
 - How is this type of genetic engineering harmful to the planet and/or humanity?

Must include at least: 5 pictures, 3 sources, 2 statistics, and (at least!) 1 piece of text evidence from each source

Projected timeline:

- Day 1:
 - Find a real world example of genetic engineering to research (10 minutes)
 - Start researching and taking notes on your note-catcher
- Day 2:
 - Finish all research
 - Find all photos, video clips and infographics to use when making your product
 - Choose what type of product you will make and start working on it!
- Day 3-4:
 - Finish making your product
 - When you’re done, let me know and I will pair you with someone for peer review using the GE Project Peer Review Rubric (Be kind and do your best!!)
 - Make any changes/improvements based on the suggestions from your peer reviewer
 - Upload to Google Classroom and the class padlet wall
- Day 5:
 - Look at the projects posted on the class padlet wall
 - Take notes on at least **six** other student’s projects using the GE Presentations Note-catcher
 - Use your notes from the presentations to answer the essential question at the end of the Presentation Note-catcher.