

# Genetics Research Project

Name \_\_\_\_\_ Period \_\_\_\_\_ / 100 pts \_\_\_\_\_ / SBG

## Introduction

These presentations are about the technological advances and research happening today in the world of scientific study. Most students have already chosen one of the main topics. You can double-check your group members and topic on *mrsbiology.com* under the **Genetics Presentations** tab. The group member at the head of each topic (italicized/bolded) is the group leader. They will share the Google Slides document with me and with the other members of the group. You will work on them together and discuss how you want to organize things, what you're going to include, etc., by writing to each other in the shared document. Presentations must include a visual of some kind and should be informative, entertaining, and creative. All questions on this page must be answered in your presentation.

## Procedure

- Coordinate your presentation with the other students who have the same topic.

Topic: \_\_\_\_\_  
 Other Team Members: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- Include the following information.

- Topic Overview
  - What is the general idea?
  - How does it work?
  - What is the history of this topic (when did it start, what are major events in its history)?
  - Describe the research being done.
- Causes and Effects
  - How does this topic affect our lives?
  - What are examples of ways people are benefited?
  - What are examples of ways people are be harmed?
- Sides (Pros/Cons) – Most scientific theories and ideas have opposition.
  - What are the sides to the topic?
  - What are arguments each side takes?
  - Are all of these arguments “scientifically” sound?
  - What role does science take in finding a resolution or regulating the problem?

## Rubric

|                    | Exceptional Effort / 20 Points  | Acceptable Effort / 15 Points   | Minimal Effort / 5 Points  |
|--------------------|---|---|--|
| Visuals            | <input type="checkbox"/> Visual includes all of these:<br><input type="checkbox"/> Topic Overview<br><input type="checkbox"/> Causes and Effects<br><input type="checkbox"/> Sides (Pros/Cons)<br><input type="checkbox"/> Visuals had specific facts | <input type="checkbox"/> Visuals missing one of these:<br><input type="checkbox"/> Topic Overview<br><input type="checkbox"/> Causes and Effects<br><input type="checkbox"/> Sides (Pros/Cons)<br><input type="checkbox"/> Visuals had facts and opinions | <input type="checkbox"/> Visuals missing two or more of these:<br><input type="checkbox"/> Topic Overview<br><input type="checkbox"/> Causes and Effects<br><input type="checkbox"/> Sides (Pros/Cons)<br><input type="checkbox"/> Visuals had mostly opinions |
| Presentation       | <input type="checkbox"/> Between 10 and 15 slides<br><input type="checkbox"/> Clear explanation of visuals and research<br><input type="checkbox"/> Audio explanation with equal participation  | <input type="checkbox"/> Over 15 slides<br><input type="checkbox"/> Weak explanation of visuals and research<br><input type="checkbox"/> Audio explanation with mostly everyone participating   | <input type="checkbox"/> Under 15 slides<br><input type="checkbox"/> No explanation of visuals<br><input type="checkbox"/> No audio explanation  |
| Understanding      | <input type="checkbox"/> Presentation well-prepared with research facts and quotes<br><input type="checkbox"/> All class questions answered   | <input type="checkbox"/> Presentation had some facts paraphrased from research<br><input type="checkbox"/> Most class questions answered  | <input type="checkbox"/> Presentation contained few facts; mostly opinions<br><input type="checkbox"/> Few class questions answered  |
| Preparation        | <input type="checkbox"/> Presentation complete and submitted on time<br><input type="checkbox"/> Presentation well-rehearsed  | <input type="checkbox"/> Presentation incomplete but submitted on time<br><input type="checkbox"/> Presentation somewhat rehearsed  | <input type="checkbox"/> Presentation incomplete and submitted late<br><input type="checkbox"/> Presentation not rehearsed   |
| Use of Online Time | <input type="checkbox"/> Online time used productively<br><input type="checkbox"/> Helpful to group members   | <input type="checkbox"/> Online time mostly productive<br><input type="checkbox"/> Not helpful to group members   | <input type="checkbox"/> Online time not productive<br><input type="checkbox"/> Did not fully participate  |