



# Exploring Genetic Engineering

The activity is drafted to create curiosity amongst your students and get them more involved in the fascinating world of genetic engineering. This activity will allow them to uncover the potential benefits and challenges associated with this wonder of science.

## The Research:

1. Start the activity by introducing the concept of genetic engineering and its use in areas like farming, medicine, and saving our environment, as discussed in the article.
2. Briefly touch upon the ethical and social aspects linked to genetic engineering.
3. Split the students into small groups, assigning each team as "Pros" or "Cons" of genetic engineering.
4. Challenge the groups to research and gather arguments supporting their assigned side. Encourage them to find real-life examples and stories to back up their ideas.
5. Ask each group to collaborate and create an appealing presentation to showcase their discoveries. You can allow them to revisit the article to get ideas.
6. Give each group a chance to share their research, highlighting the positive aspects of genetic engineering (pros) or the potential risks and drawbacks (cons).

Make sure to get the rest of the students involved to inspire thoughtful discussions and friendly exchanges.

## The Debate:

1. Divide the class into two teams: "Advocates" and "Opponents" of genetic engineering.
2. Allow time for each team to plan and prepare their arguments based on the earlier research.
3. Prepare a good debate, ensuring everyone participates and gets a chance to express their thoughts. Make sure to promote respectful communication and open-mindedness during the debate.

Lastly, summarize the main points from both sides of the debate, showing them the multi-faceted nature of genetic engineering.

## Result

With this activity, you can cultivate critical thinking, research skills, and effective communication in your students. While doing so, you're also inspiring them with the marvels of science.

As students unravel the mysteries of genetic engineering, they will gain a deeper understanding and the power to make informed decisions.

