

# Genetic Engineering

## A Scientific Report



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## A Study

### Proposal

### Background

"DNA stands for deoxyribonucleic acid. It's the chemical that makes up your genes. Which contain the instructions that make you who you are, from the color of your eyes to the size of your feet." Different genes. Everyone has genes and most of us have a dominant and recessive but not everyone. For an example your mom has a dominant gene to have green eyes and your dad has a recessive gene to have blue eyes you will have green eyes because your mom has a dominant gene your dad does not. " Unlike a printed book genomes can change. Changes in the DNA sequence can happen when there's a mistake in copying it." The small tree finch is good at getting insects.

### DNA Experiments

I tried a project called the monster experiment the result was phenomenal mine had a round body and it had wings with snakes it also had one leg and three arms and moms had three arms too! Sharp teeth and polkadots and the monster had a baby and it is called sundae and it had a big snake and more snakes and this is how they got their genetics by playing a game of ROCK PAPER SCISSORS and whoever won got a point.

Traits are usually passed from parent to child. Sometimes, a mutation happens. A mutation is a random change in your DNA. A mutations can happen when a cell replicates and it goes wrong. It can also be caused by radiation.

When crime is committed scientist work on how they did it And the way they did it is by collecting evidence from the crime scene and using a chemical called enzymes the DNA pieces separated into the long pieces of DNA and the short pieces of DNA the short is at the back and the long is at the front if there more of the same pieces they git thicker.

## **Genetic Engineering Background**

The greatest animals the wold has ever seen and it all starts with bacteria. See a plasmid is tiny and more easy to manipulate and cut out. Specific genome and put a different one and this is how you do genetic engineering this can also help people with diseases like Huntington's .

The definition of genetic engineering "is a process that uses laboratory based technologies to alter the DNA makeup of an organism"

## **Experiments**