

South Side High School  
Living Environment  
Third Marking Period Extension Activity  
2021-2022

The third quarter Living Environment Extension Activity will involve writing a paper dealing with the current use of biotechnology in the fields of medicine and/or veterinary science.

Choose one of the following to address in your paper:

- Cloning
- CRISPR
- Gene Therapy
- PCR Polymerase Chain Reaction
- Pharmacogenomics
- Pre-implantation Genetic Diagnosis

In your paper, include answers to all of the following:

1. What is it?
2. Why wasn't this biotechnology in existence in the past?
3. How is it being used in medicine or veterinary science today?
4. What ethical questions need to be considered in using this technology?
5. Provide copies of 2 current events articles related to the use of this biotechnology, and summarize the articles.
6. What are your reactions to the use of this technology?

You are required to:

- Word process/type the paper using 1.5 or double spacing, 1-inch margins, and 12 pt Times New Roman font.
- Use standard essay format that includes an introduction, body, and conclusion.
- Limit the paper to 3-5 pages (not including attachments).
- Reference at least 2 research studies using in-text citations and a "Works Cited" page.
- Submit the paper no later than *Friday April 8, 2022*

Up to 4 points of extra credit added to the quarterly test average may be earned by completing this assignment.