**Lesson Title: Genetic Engineering**

**Unit: 4**

TEKS: 130.7(c) (7)(e)(f)

OBJECTIVES

The student shall be able to:

1. Observe genetic engineering.
2. Identify and compare different types of genetic engineering.
3. Demonstrate comprehension of genetic engineering by formulating educated opinions.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

Internet

TEACHING PROCEDURE

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| Interest Approach/Anticipatory Set | Teacher Notes |
| 1. Link – Review the previous lesson of genetic selection2. Motivation – Is it possible to feed the world? | Pop Corn Questions: If students have questions allow peers to answer |

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| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Observe genetic engineering.Note: Teachers should use this link. This link runs on a playlist, and there are a total of 10 parts, however it will loop to the next part without you clicking.<http://www.youtube.com/watch?v=qMnRpNuo1N8&list=PLyXHKCSphWSpdAyhNVXy985tYOi0Dal02>Students will watch this movie and take notes.Objective 2: Identify and compare different types of genetic engineering.Teacher should pause the video at times and ask the students questions to have them compare and contrast different types of genetic engineering.Objective 3: Demonstrate comprehension of genetic engineering by formulating educated opinions.The students should write 1-2 paragraphs over the idea of genetic engineering, including benefits, and negative aspects. They should also include their own opinion in an educated manner. | Have access to internetStudents will take informal notesStudents will compare and contrastStudents will evaluate |

ENGAGEMENT

Students will be taking notes and evaluating the movie the entire time of the lesson.

EVALUATION

Bring the lesson to a close and review important concepts

ADDITIONAL MATERIALS

College & Career Readiness Standards: II.C.1; II.E.7 (Write in the number/letters already crosswalked for your unit)

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