**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 selection  2. Motivation – Is it possible to feed the world? | Pop Corn Questions: If students have questions allow peers to answer |

|  |  |
| --- | --- |
| 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 internet  Students will take informal notes  Students will compare and contrast  Students 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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