**Lesson Title: Impact of Mutations**

**Unit: 4**

TEKS: 130.7 (c) 7(d) 130.7 (c) 15 b,c

OBJECTIVES

The student shall be able to:

1. Identify and analyze impacts of mutation.
2. Interpret impacts of mutation.
3. Analyze genetic information to determine mutations.
4. Work on SAE Record Books.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Impact of Mutations.

WS: Recovering the Romanov’s lab

TEACHING PROCEDURE

|  |  |
| --- | --- |
| Interest Approach/Anticipatory Set | Teacher Notes |
| Use this area as an introduction of what will be done to get the students ready to learn.  Consider some of the following: 1. Link – 2. Motivation – Recovering the Romanov’s lab | Review Q&A |

|  |  |
| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Identify and analyze Impacts of MutationTeacher should use the ppt while students are taking notesObjective 2: Interpret Impacts of MutationTeacher should use the ppt while students are taking notesObjective 3: Analyze genetic information to determine mutationsSee Engagement |  |

 Objective 4: Manage SAE Record Books.

 Once students are finished with the lab they should fill in their record books for the week

ENGAGEMENT

Lab: Using the information presented within the Recovering the Romanovs, and the information they have gained within the classroom to figure out who is the last Romanov. This activity is a fun way to bridge the gap between head knowledge and hand on activity.

EVALUATION

Evaluate the student’s findings of Recovering the Romanovs.

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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