**Lesson Title: Impact of Mutations**

**Unit: 4**

TEKS: 130.7 (c) 7 c,d 130.7 (c) 1 (a) (b)

OBJECTIVES

The student shall be able to:

1. Synthesis of DNA extraction.
2. Manage SAE Record Books.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

WS: Strawberry 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 – Visit you tube and type in   <http://www.youtube.com/watch?v=NCu7T_1_WLo>  This is a short film that goes through the whole experiment step by step.  2. Motivation – Lab of DNA Extraction | Review Q&A  Strawberry Lab |

|  |  |
| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Synthesis DNA Extraction from a strawberry  Objective 2: Manage SAE record book  Once students have finished with the lab activity they should fill in their record book for the week. |  |

ENGAGEMENT

Lab: DNA Extraction of Strawberry’s for hands on activity. Once the DNA has been extracted if possible, allow the students to observe under a microscope.

EVALUATION

Evaluate findings of Lab work and conlusions.

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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