**Lesson Title: Heredity**

**Unit: 4**

TEKS: 130.7 (C)(7)(e)

OBJECTIVES

The student shall be able to:

1. Define heritability.
2. Compare and contrast heterozygous and homozygous.
3. Explain the difference between codominance and incomplete dominance.
4. Determine the cause and effect of environmental conditions, both internal and external in relation to heredity.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Heredity (Colorado Agri-Science)

HO: PPT notes

TEACHING PROCEDURE

|  |  |
| --- | --- |
| Interest Approach/Anticipatory Set | Teacher Notes |
| 1. Link – review previous material over inheritance  2. Motivation – How has the environment affected how you have grown up?  Present the PPT over Heredity |  |

|  |  |
| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Define heritability.   * Student takes notes over ppt   Objective 2: Compare and contrast heterozygous and homozygous.   * Student should make observations during the short video on slide 7   Objective 3: Explain the difference between codominance and incomplete dominance   * Teacher can use a short Q&A session during the ppt   Objective 4: Determine the cause and effect of environmental conditions both internal and external in relation to heredity.   * During this time, after the students have been through the ppt hand out the case study and have students complete it. | Power Point  Lecture; have students engaged in lecture. |

ENGAGEMENT

Students will be actively participating in lesson by Q&A and working on a case study

EVALUATION

Teacher should use the case study as an evaluation.

ADDITIONAL MATERIALS

N/A

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