**Lesson Title: Inheritance**

**Unit: 4**

TEKS: 130.7 (C) (7) b,e,f

OBJECTIVES

The student shall be able to:

1. Discuss genetic inheritance.
2. Investigate principles of inheritance.
3. Demonstrate how inheritance plays a role in sex-linked genes
4. Explain the difference between sex- linked, limited, and influenced inheritance

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Inheritance

TEACHING PROCEDURE

|  |  |
| --- | --- |
| Interest Approach/Anticipatory Set | Teacher Notes |
| 1. Link – Discuss previous lesson over Mendelian genetics 2. Motivation – Have you ever thought about how you received your genetic make-up? Or why you didn’t receive certain traits? |  |

|  |  |
| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Discuss genetic inheritance* Brief open discussion

Objective 2: Investigate principles of inheritance* Students will watch and formulate 3 questions to ask during a brief youtube video found on slide 2

Objective 3: Demonstrate how inheritance plays a role in sex-linked genes* Students will do a punnett square for sex inherited genetics found on slide 7.

Objective 4: Explain the difference between sex- linked, limited, and influenced inheritance* Students will compare and contrast the differences between the three on their own sheet of paper. This is a type of evaluation.
 | Teacher initiated, student ledTeacher initiated, students work on their own  |

ENGAGEMENT

 Students take notes over video and PPT, while also creating a punnett square

EVALUATION

 See objective 4.

ADDITIONAL MATERIALS

 N/A

©Texas Education Agency, 2011