**Lesson Title: Expected Progeny Difference**

**Unit: Molecular Genetics and Heredity**

TEKS: 130.7 (C)(7)(b)

OBJECTIVES

The student shall be able to:

1. Draw conclusions from EPD data set.
2. Recognize the importance of EPD use in selection.
3. Apply EPD concepts.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

Video: The Angus Report

HO: Who’s your daddy?

TEACHING PROCEDURE

|  |  |
| --- | --- |
| Interest Approach/Anticipatory Set | Teacher Notes |
| 1. Link – Using EPD’s for selective breeding practices.  2. Motivation – Ask students to describe any personal experiences with EPD’s.  View EPD video  Complete Who’s your daddy? activity | The Angus Report: September 26, 2011: Practical Applications  <http://www.youtube.com/watch?v=NtIVcbjIIQQ>  Who’s your daddy? <http://www.cteonline.org/portal/default/Curriculum/Viewer/Curriculum?action=2&view=viewer&cmobjid=177433> |

ENGAGEMENT

Students will actively participating in lesson by Q&A completing activity.

EVALUATION

Students will be evaluated on completion of activity.

ADDITIONAL MATERIALS

N/A

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