**Lesson Title: Formulating Feed Rations**

**Unit: Livestock Nutrition**

TEKS: 130.7 (C)(9)(c)

OBJECTIVES

The student shall be able to:

1. Explain formulating feed rations
2. Demonstrate formulating a basic feed ration.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Formulating Feed Rations

WS: Feed Formulation Practice Problems, Lab worksheet

TEACHING PROCEDURE

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| Interest Approach/Anticipatory Set: | Teacher Notes |
| * Start out by asking students what they feed their animals at home (livestock or pets). * Lead into lecture by using that information and asking if they buy a pre-made feed at the store or if they make their own feeds * Begin lecture with PowerPoint to go along with it. | * Ensure there is enough time for students to share their experiences at home with feeding to build up good student interest |

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| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| * Lecture will ideally begin on Wednesday, after finishing the unit on Feeding Practices. PowerPoint will be provided to provide visuals to go along with the lecture * Lecture will continue and finish on Thursday, with students solving a couple quick practice problems. * Students will participate in a lab on Wednesday by completing a worksheet with various problems and rations that have to be calculated. Students will be given a review for the exam as well. * Students will have another calculation lab on Thursday. A worksheet for them to fill in will be supplied and examples of feed will be mimicked by cereal or candy. | * Prepare for Thursday lab in advance |

ENGAGEMENT

Students will be able to share their experiences at home with feeding and rations. For lab, students will be able to taste and physically handle their feed samples during the lab.

EVALUATION

Students will be evaluated on their understanding by their grades on the lab worksheets.

ADDITIONAL MATERIALS

* Cereal
* Candy
* Worksheets
* PowerPoint
* Test Review

College & Career Readiness Standards: II.C.1; II.E.7

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