**Lesson Title: Muscle and Fat Tissue Lab**

**Unit: 5**

TEKS: 130.7(C) 11 (c) 1 (a) 2 (f)

OBJECTIVES

The student will be able to:

1. Label muscle tissue across species
2. Label fat tissue across species
3. Compare and contrast differences in true growth and fattening
4. Explain differences in animal growth from past and present

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

This lab will require purchasing a steak or loin chop of beef, pork, and lamb and a chicken breast.

TEACHING PROCEDURE

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| 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 – This lab has 3 different stations each lasting 15 minutes. Group students accordingly. Students will use their own sheet of paper. Teacher must place numbers in each area of the muscle and fat to be labeled.2. Motivation – TRANSITION –  | Ask questions to students |

|  |  |
| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Label muscle tissue across species.* Students will muscle tissue of the different species.

Objective 2: Label Fat tissue across species.* Students will label the fat tissue of each species.

Objective 3: Compare and contrast differences in true growth and fattening* Students will have two pictures in front of them. A calf and a finished steer ready for be slaughtered. Students must explain, in detail, the differences of true growth and fattening using the two pictures as examples.

Objective 4: Explain differences in animal growth from past to present* Students must explain in detail the body type of animals in the past compared to animals present day and how they differ.
 | Power point Lecture  |

ENGAGEMENT

Students will be actively participating in each station, rotating every 15 minutes. Because of the rotation and time crunch it is imperative that students stay motivated and on task.

EVALUATION

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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