**Lesson Title: Animal Cloning**

**Unit: Advanced Animal Science**

TEKS: (9) (A).

OBJECTIVES

The student shall be able to:

1. Define cloning.
2. Identify the history of cloning.
3. Analyze the different types of cloning.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Cloning (Part 1)

TEACHING PROCEDURE

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| Interest Approach/Anticipatory Set | Teacher Notes |
| 1. Link – Students should have previous knowledge of animal cloning from taking the animal science class or livestock production class. 2. Motivation – Have a daily warm-up that deals with cloning.**Who is Dolly?****What is cloning?**TRANSITION – Today, we’re going to go over cloning. Objective 1: Define cloning. Slide 3Explain and cover any material in the meaning of cloning for the students.Objective 2: Identify the history of cloning. Slide 4Students will identify the history of cloning of animals.Objective 3: Analyze the different types of cloning. * (1) recombinant DNA technology or DNA cloning Slide 6-8
* (2) reproductive cloning Slides 9-10
* (3) therapeutic cloning. Slide 11

References : Guide for the Care and Use of Agricultural Animals in Research and Teaching Chapter 1 – Page 5-6* http://www.ornl.gov/sci/techresources/Human\_Genome/elsi/clning.shtml
 | Students will be required to take their own personal notes unless the student as an IEP. Since it’s an advanced class students should be willing to take notes so that they learn the material better.  |