**Lesson Plan**

**Advanced Animal Science**

**TEK-** (c)(6)(C)The student will recognize the significance of meiosis to sexual reproduction

**Attention Grabber**- Calf being born video

**Objectives**- 1. Identify the different phases of the first stage of meiosis

2. Diagram the first stage of meiosis

3. Explain the first stage of meiosis

**Lesson-**

**Method 1**- Lecture covering 1st stages of meiosis explain each step leading to the creation of 2 diploid daughter cells.

* Interphase- period befor meiosis when DNA duplicates, proteins are synthesized and cell mass increases
* Phrophase 1- Chromatin condense to chromosomes (crossing over can occur)
* Metaphase 1- homologues align and begin moving toward metaphase plate
* Anaphase 1- homologues separate and are pulled to opposite poles of the cell
* Telephase 1- Cell begins to divide forming two diploid cells

**Method 2-** Students will be Diagramming stage 1 of Meiosis.

**Method 3**- Students will recite stage 1 along with the process in each phase

**Method 4-** A brief teacher led question and answer over the phases of meiosis

**Method 5-** Question all write short essay over the first stage of meiosis will be used as a quiz.