Day 1

1. Define growth
2. Explain the three ways growth can occur
3. Compare and contrast differences in true growth and fattening
4. Explain differences in animal growth from past and present

Day 2

1. Classify different tissues by their shape and number
2. Know the four different types of tissues
3. Compare and contrast different functions of tissues

Day 3

1. Spool DNA using wheat germ
2. Observe different cell parts from human check cells
3. Observe different cell parts from a red onion
4. Observe the structure of a stomach cell

Day 4

1. Explain prenatal development from fertilization to birth
2. Understand different biological process’ in all phases of prenatal development
3. Define key vocabulary
4. Chart different phases in somitogenesis

Day 5

1. Observe pictures of both cow and human embryos/fetuses.
2. Interpret graphs to determine when most of the changes in size and mass occur during

the gestation period.

1. Contrast trends in growth and development using length and mass.

Day 6

1. Define myogenesis
2. Explain different ways myogenesis occurs
3. Define muscle growth
4. Explain different ways muscle growth occurs
5. Compare and contrast myogenesis and muscle growth

Day 7

1. Know the four locations fat is deposited
2. Explain adipogenesis
3. Explain lipogenesis
4. Compare and contrast the different factors affecting lipid metabolism

Day 8

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

Day 9

1. List types of bone
2. Know the function of cells involved in bone growth
3. Describe the two methods of bone formation in detail
4. Explain the factors that affect bone growth

Day 10

Day 11

1. Draw growth curves
2. Explain different changes in body measurements
3. Explain different changes is body components
4. Explain different changes in carcass components
5. Explain different changes in chemical composition

Day 12

1. Define hormone action
2. Explain the 5 types of hormone action
3. Know the function and effects of hormones in detail

Day 13

1. Explain nutrient partitioning
2. Explain Compensatory growth
3. Explain the purpose of antibacterial feed additives