

## Lesson Plans for Week of 1/17 – 1/27

### Orientation

- Tuesday: Divide class into 2 groups. Group 1 will go to computer lab and set up online record books. Group 2 will receive the Beef and Dairy cattle packet and read through it with Mrs. Baird in class.
- Wednesday: Both groups will watch Cattle Ranches Modern Marvels DVD in class. Students will receive a worksheet of questions to complete while watching the DVD. The questions are due at the end of the hour.
- Thursday: Group 2 will go to computer lab and set up online record books. Group 1 will receive the Beef and Dairy cattle packet and read through it with Mrs. Baird in class.
- Friday: Substitute – Class will watch Milk Modern Marvels DVD in class. Students will receive a worksheet of questions to complete while watching the DVD. The questions are due at the end of the hour.
- Monday: All students - Pass out Beef and Dairy breeds charts to complete together in class.
- Tuesday: Group 1 returns to computer lab to finish record book set up and answer questions. Group 2 receives beef and dairy worksheets to complete in class. If students do not complete worksheets, they become homework due on Wednesday.
- Wednesday: Make ice cream in a bag and butter as the hands-on demonstration for dairy.
- Thursday: Group 2 returns to computer lab to finish record book set up and answer questions. Group 1 receives beef and dairy worksheets to complete in class. If students do not complete worksheets, they become homework due on Friday.
- Friday: Pass out study guide for cattle test. Students will complete study guide in class. Test will be on Tuesday.

### Environmental Science

- Tuesday: Give pretest to estimate student's current awareness/knowledge base on air pollution. Conduct experiential air pollution categorization activity to outline a comprehensive picture of air pollution to students.
- Wednesday: Present air ppt and notes. Pass out student outline of ppt and notes to fill out along with presentation.
- Thursday: Finish air ppt, notes, and student outline.
- Friday: Substitute – Students will receive and complete the air pollution reading assessments. All three assessments will be due by the end of class.
- Monday: Work through air pollution allowance trading activity and cost of air pollution activity in groups in class. Activity sheets will be due at end of hour.
- Tuesday: Students will receive the air unit study guide and work on it in class. Study guide is due on Wednesday for a completion grade.
- Wednesday: Review correct answers for study guide.
- Thursday: Play review game to study for test.
- Friday: Take air unit test.

### Agriculture Science

- Tuesday: Begin nutrition lesson with notes and smartboard presentation. Cover Nutrient categories, rations, and water.
- Wednesday: Continue nutrition lesson with notes and smartboard presentation. Cover carbohydrates and proteins.
- Thursday: Continue nutrition lesson with notes and smartboard presentation. Cover lipids.
- Friday: Substitute – Pass out and complete in class carbohydrates and proteins/fats worksheets. If students do not complete worksheets in class, they are homework to be turned in on Monday.
- Monday: Finish nutrition lesson with notes and smartboard presentation. Cover Vitamins and minerals.
- Tuesday: Pass out and work on vitamin/mineral worksheet together in class. Worksheet is due by end of hour.
- Wednesday: Begin Ration Balancing. Cover the Pearson Square method of balancing protein content with two ingredients. Pass out practice problems to be completed as homework using examples from class.
- Thursday: Review answers to practice problems. Address student questions. Pass out word problems for ration balancing with two ingredients due on Friday.
- Friday: Turn in ration balancing word problems. Explain ration balancing with three ingredients. Pass out practice problems to work through together in class. Color code practice problems to assist student in tracking steps.

## Horticulture

- Tuesday-Thursday: Pick up landscape design #2 that was begun before semester finals. Student will have 3 days in class to finish these designs.
- Friday: Critique designs. Students will be expected to present and defend their designs to the class based upon the comprehensive rubric provided.
- Monday: Students will go to the computer lab and create a planting list of 15 plants to use in the final landscape design.
- Tuesday-Friday: Students will begin their final landscape designs. They will be required to create a unique landscape using the planting list from Monday. They will also be required to include at least 1 hardscape feature and 1 natural fence.

## BSAA

- Tuesday: Pass out the class room rules/expectations and course syllabus. Discuss/explain how the class is set up and how it will run throughout the semester.
- Wednesday: Pass out the introductory information packets on safety, scientific method, experiment design, and lab reports. Also pass out the guided notes questions. Discuss these questions/topics with students. At end of hour, pass out worksheet packet as homework to be completed and turned in by the end of the hour on Friday.
- Thursday-Friday: Work on introductory worksheet packet in class. Turn in worksheet packet by the end of the hour on Friday.
- Monday-Tuesday: Take introductory quiz over the material presented in the information packet. Pass out the DNA/Biotechnology information packet and corresponding worksheets. Worksheets are due by the end of the class period on Tuesday.
- Wednesday: Conduct the genetic traits activity together in class. Students will have an activity sheet to record findings, which will be turned in for completion credit at end of period.
- Thursday: Students will receive the genetic linkage worksheet to complete during class.
- Friday: Students will conduct the DNA extraction lab in class. The lab report for this experiment will be due at the beginning of class on Monday.

## Vet Tech

- Tuesday: Pass out the class room rules/expectations and course syllabus. Discuss/explain how the class is set up and how it will run throughout the semester.
- Wednesday-Thursday: Students will receive their binders with the introductory information and guided notes. Students will be expected to read the information and work through the guided notes on their own.
- Friday: Substitute – Pass out Orientation and Medical Terminology worksheets. Students should complete these in class and turn them in by the end of the hour.
- Monday: Pass out and read the species familiarization information. Students will answer guided notes questions as they work through the packet of information.
- Tuesday: Complete the species review puzzle to study for quiz.
- Wednesday: Students will take the introductory unit quiz.
- Thursday: Begin the diseases unit with ppt and discussion of the concept of infectious diseases vs noninfectious diseases.
- Friday: Complete disease chart to organize information on specific diseases and their characteristics.

## Welding

- Tuesday-Wednesday: Pass out safety packet and worksheets. Read through packet and fill out worksheets individually in class. Worksheets are due by the end of the class period on Wednesday.
- Thursday: Go out to the welding shop and set up the lab for 12 students.
- Friday: Pass out Oxyfuel Processes packet and worksheet. Read through packet and complete worksheet individually in class. Worksheet is due by the end of the class period on Friday.
- Monday-Tuesday: Go out to shop and practice oxyfuel processes in the lab. Rotate students through an oxyfuel welding station and an oxyfuel cutting station.

Wednesday: Return to classroom and pass out arc welding packet and worksheet. Read through packet and complete worksheet individually in class. Worksheet is due by the end of the class period on Wednesday.

Thursday: Return to welding shop and distribute metal. Explain procedure for using plasma cutter. Allow student to cut metal into practice pieces.

Friday: Guest Speaker – Jedd Swisher (Depke) will demonstrate arc welding techniques and provide tips/strategies for successful welding.