

DAILY PLAN

Course Title: ASM 591-Laboratory Management Pedagogy

Instructional Area: Agricultural and Industrial Equipment/Power Technology

Situation: Students learn safety and responsibility when working with power tools. The project also requires students to complete math calculations and measurements. The psychomotor skills and knowledge learned in the agricultural mechanics laboratory can be readily transferred to other areas of life in the future.

PA Academic Standard(s) met:

3.4.10

3.6.10

Materials Needed:

- Proper Clothing attire
- Safety Glasses
- 2 – 5” x 6 1/2 “ x 3/4” Oak or Poplar boards
- 3 – 18” long 3/8” diameter dowel rods
- Tape Measure
- Pencil
- Combination square
- Clamp
- Wood glue
- Jointer
- Table Saw
- Miter Saw
- Drill press with 3/8” drill bit

Introduction (Interest Approach): (jot idea—rough outline):

Teacher #1 will be looking for her favorite CD among all of her other CD’s and is having a hard time finding it. Teacher #2 walks in the class gives Teacher #1 a gift. The is a CD Holder and Teacher #1 is so excited because she can now alphabetize her CD’s and keep them in order so it will be easier for her to find it.

Objectives:

After today’s lesson, the students will be able to:

1. construct a CD holder to within 3/4” of given specifications, with 95% accuracy.
2. safely operate each power tool required for the project, by following verbal and written directions and using safe laboratory operating procedures, without injury to self or others in the laboratory area.

Sample Lesson Plan for AEE

Text (Body of the Lesson) - Content:

Teacher will do:

Interest Approach

Teacher #1 and Teacher #2 do a skit.

Teacher #1 looks through her CD's.

Teacher #1 shuffles through CD's

Teacher #2 walks in the room holding a gift.

Teacher #2 holds out a present

Teacher #1 grabs the gift and opens it

The Beginning of a CD Holder

State Objective for Today!

Check for safety wear!

Split class in two groups and Pass out puzzle

CONTINUED UNTIL THE END OF THE LESSON...

Teacher will say:

I have this Christmas song in my head and would really like to hear but I can't find the CD it is on. The only thing that I would like for Christmas is a new wooden CD holder.

I know that you have been having a hard time keep you CD's well organized. Since it is the Christmas season I have decided to build you a gift.

Don't be to excited, its just a little something I made in my agriculture class.

Wow, this is the best present ever. I have been wishing for a CD's holder. Now, I can alphabetize all my CD's. This is the best Christmas ever.

By the end of class each of you will have finished constructing a wooden CD holder.

Ok class; please make sure that everyone has their eye wear and hair pulled back.

Since not everyone can use the machines at once I have a cross word puzzle for you. This cross word has all tools that you are using on this project. So while a group is working at the machine I would like for you to work on this puzzle. At the end of class it will be collected and grade for part of your daily grade.

Sample Lesson Plan for AEE

Review/Conclusion/Opportunity to Learn:

Review today's objective(s):

Today's objective was to build a CD holder to within 3/4" of given specifications, while following verbal and written directions and using safe laboratory operating procedures, with 95% accuracy.

Opportunity to Learn (Students show YOU they learned that which you planned for them to learn, i.e. a student activity, writing a paragraph, a skit, a demonstration, a quiz, etc):

Today's opportunity to learn was found in the project that the students completed for the lesson. I could have also had the students write a paragraph explaining how to use one of the power tools that they used to complete the project.